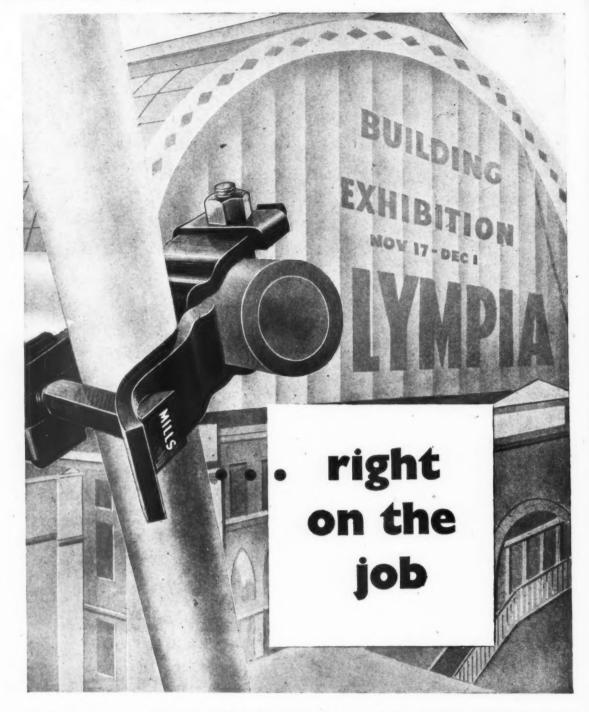
INE ARTS DEPARTMENT		The Architects' JOURNAL for October 27, 1949
	R	$C H I T E^{UB} C T F^{S} S'$
BTACK	<b>I</b> (	DURNAL
	of all kinds lished in tw	sary of abbreviations of Government Departments and Societies and Committees to together with their full address and telephone numbers. The glossary is pub- o parts—A to Ic one week, Ie to Z the next. In all cases where the town is not he word LONDON is implicit in the address.
standard contents	AA AAI ABS ABT ACGB ADA APRR	Architectural Association, 34/6, Bedford Square, W.C.1. Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill, Avenue, Berkhampstead, Herts. Architects' Benevolent Society. 66, Portland Place, W.1. Arsts Council of Great Britain. 4, St. James' Square, S.W.1. Aluminium Development Association. 33, Grosvenor Street, W.1. Association for Planning and Regional Reconstruction. 34, Gordon
every issue does not necessarily contain all these contents, but they are the regular features which continually recur.	ArchSA ARCUK ASB AScW	Square, W.C.1. Euston 2158-9 Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15. Ardwick 3480 Architects' Registration Council. 68, Portland Place, W.1. Welbeck 9738 Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1. Welbeck 5721 Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.
NEWS and COMMENT	BAE BATC	Board of Architectural Education. 66, Portland Place, W.1. Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.
Diary News Architects' Commonplace Book Astragal's Notes and Topics Letters	BC BCC BCCF BCIRA BDA BEDA BGF BIA	Building Centre.       9, Conduit Street, W.1.       Reliance 7611, Ext. 1706         British Colour Council.       13, Portman Square, W.1.       Mayfair 8641/6         British Cast Concrete Federation.       17, Amherst Road, Ealing, W.13.       Perivale 6869         British Cast Iron Research Association.       Alvechurch, Birmingham.       Redditch 716         British Door Association.       43, George Street, Croydon.       Croydon 5452         British Electrical Development Association.       2, Savoy Hill, W.C.2.       Temple Bar 9434         British Ironfounders' Association.       145, Vincent Street, Glasgow, C.2.       Sloane 8266
Societies and Institutions TECHNICAL SECTION Information Sheets Information Centre	BIAE BID BINC BOT BRS BSA BSI BTE CABAS	Glasgow Central 2891 British Institute of Adult Education. 29, Tavistock Square, W.C.1. Euston 5385 Building Industries Distributors. 52, High Holborn, W.C.1. Chancery 7772 Building Industries National Council. 11, Weymouth Street, W.1. Langham 2785 Board of Trade. Millbank, S.W.1. Witchall 5140 Building Research Station. Bucknalls Lane, Watford. Garston 2246 Building Societies Association. 14, Park Street, W.1. Abbey 3333 Building Trades Exhibition. 4, Vernon Place, W.C.1. Holborn 8146/7 City and Borough Architect, Town Hall, Newport, Mon. Newport 3111
Current Technique Questions and Answers Prices The Industry	CAS CCA CDA CIAD CIAM CID CPC.	County Architects Society. C/o A. Guy Chant, F.R.I.B.A. Salop County Council, 5, Belmont, Shrewsbury. Shrewsbury 3031 Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1. Sloane 5255 Copper Development Association. Kendals Hall, Radlett, Herts. Radlett 5616 Central Institute of Art and Design. 41, 42, Dover Street, W.1. Regent 3074 Congrès Internationaux d'Architecture Moderne. Doldertal, 7. Zurich, Switzerland. Council of Industrial Design. Tilbury House, Petty France, S.W.1. Whitehall 6322 Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.
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SUPPLEMENT	DGW	Victoria 1534 Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1. Reliance 1761
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HOUSING STATISTICS	EPNS FAS	English Place-Name Society. 7, Selwyn Gardens, Cambridge. Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1. Sloane 2837
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wanted and Fubant	FBI FC FCMI	Federation of British Industries. 21, Tothill Street, S.W.1. Whitehall 6711 Forestry Commission. 25, Savile Row, W.1. Federation of Coated Macadam Industries. 37, Chester Square, S.W.1. Sloane 1002
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No. 00551	FMB	Federation of Master Builders. 26; Great Ormond Street, Holborn, W.C.1. Chancery 7583
No. 2855] [Vol. 110 THE ARCHITECTURAL PRESS	FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1. Langham 4041
9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1. 'Phone: Whitehall 0611	FS (Eng.) GG	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1. Georgian Group. 27, Grosvenor Place, S.W.1. Sloane 2837 Sloane 2844
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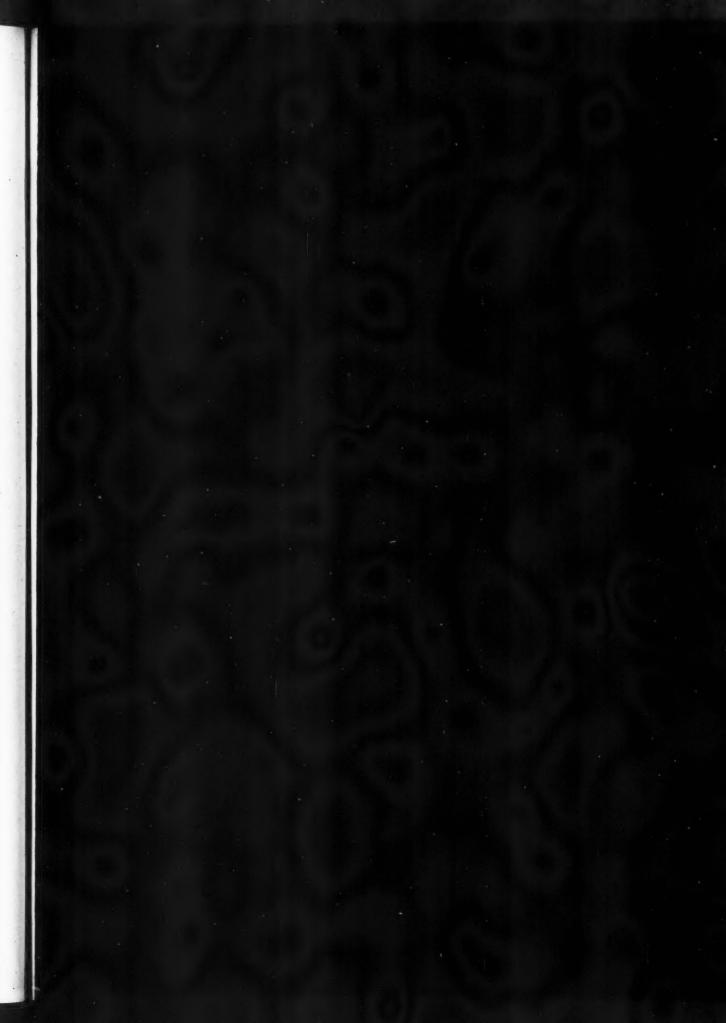
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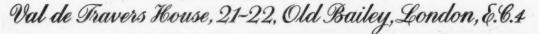


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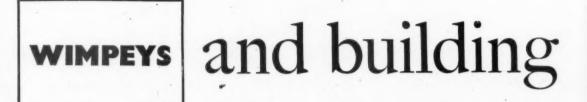


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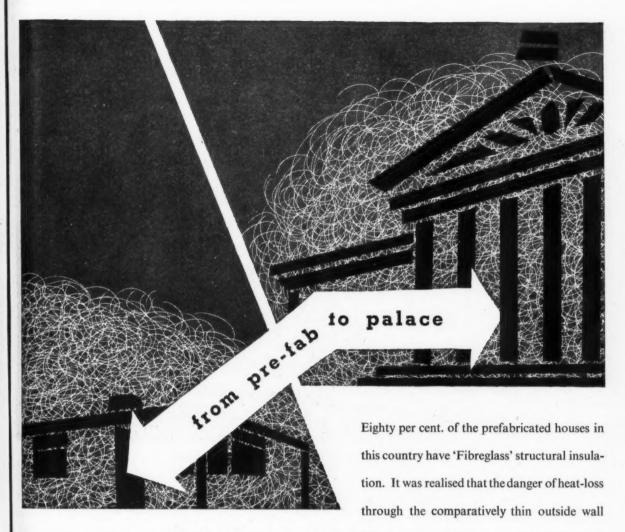
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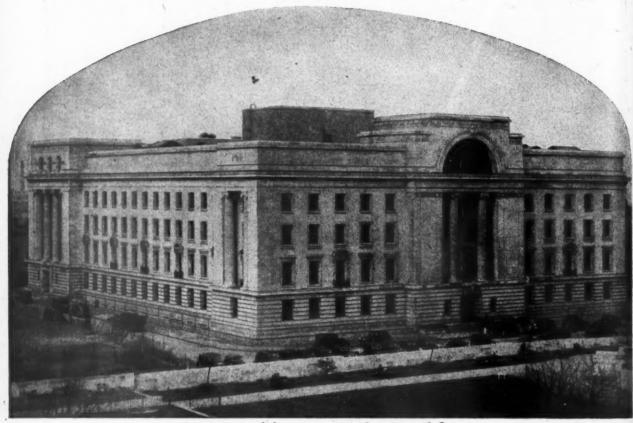
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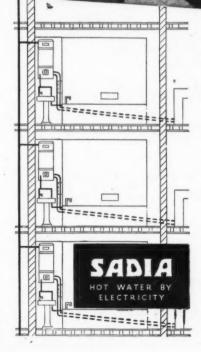
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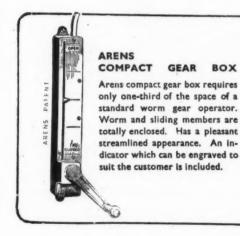
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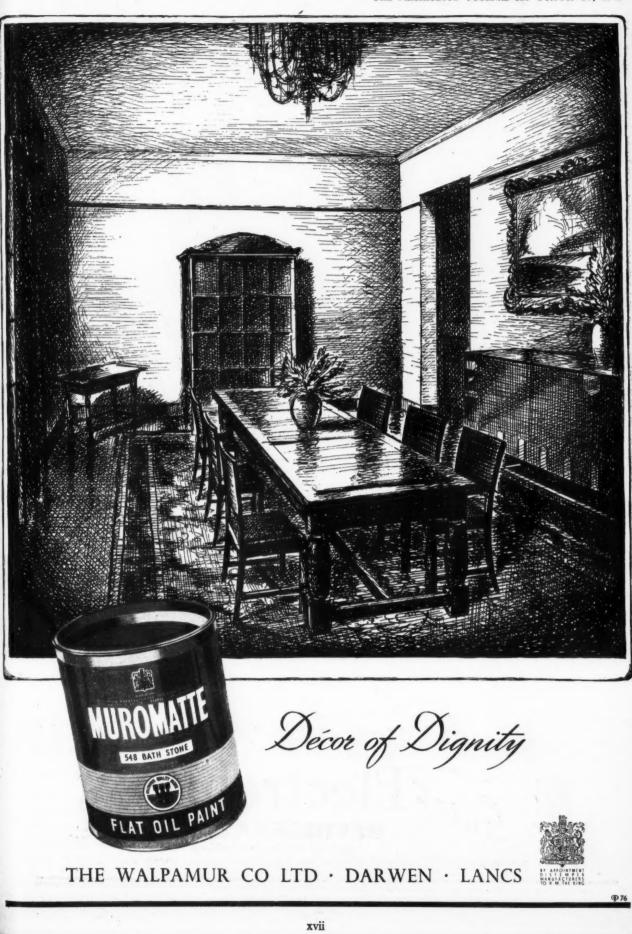
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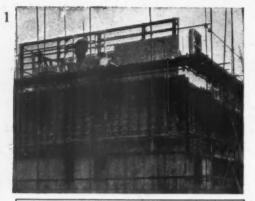
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Architects: MESSRS. BUCKLAND & HAYWARD, F.F.R.I.B.A

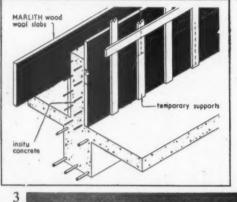
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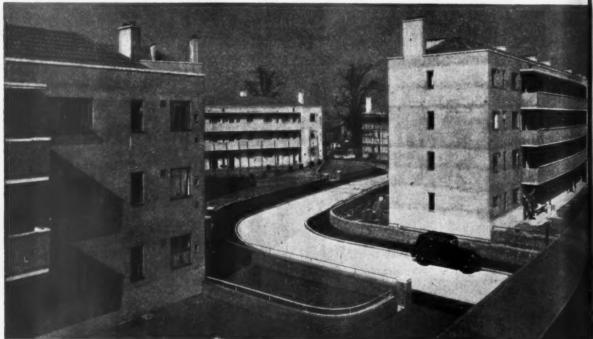
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This use of MARLITH does away with conventional in-situ shuttering, reduces timber requirements, saves time and labour, increases thermal insulation, and eliminates the cause of condensation. MARLITH provides a natural key, thus ensuring a perfect plaster base.

MARLITH possesses a low thermal conductivity (K = 0.58 B.Th.U/sq.ft./hr/1"/1°F) equal to 14" of brickwork. By incorporating MARLITH into the structure the thermal transmittance "U" value of the external walls was reduced from 0.44 to 0.25 B.Th.U's per square foot, per hour, per 1°F difference in temperature.



L.C.C. Director of Housing and Valuer: Mr. C. H. Walker, O.B.E., M.C. Housing Architect: Mr. C. H. Howard, L.R.I.B.A. Contractors: Kent and Sussex Contractors Ltd.

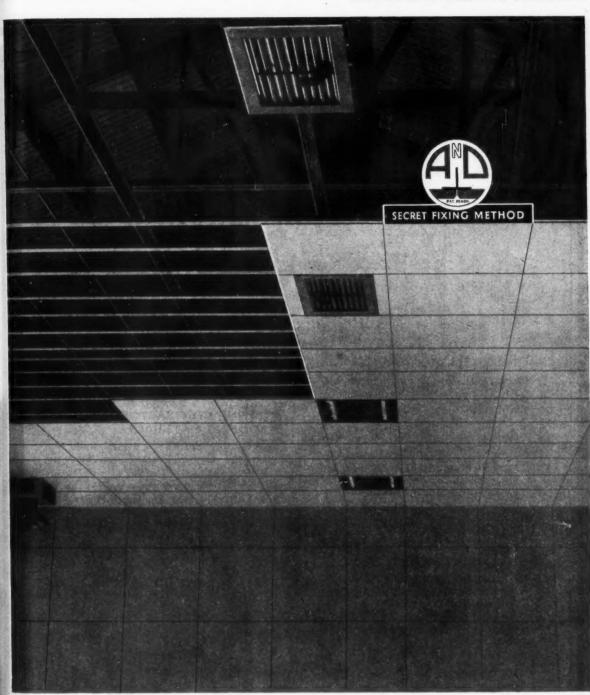
## Marlith BUILDING SLABS

- 1 Work in progress on one of the block of flats at the L.C.C. Flower House Estate, Catford.
- 2 Method of using Marlith as permanent shuttering for walls.
- 3 A view of the completed flats at the Flower House Estate.

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Architects: Sir Percy Thomas & Son, F/A.R.I.B.A.

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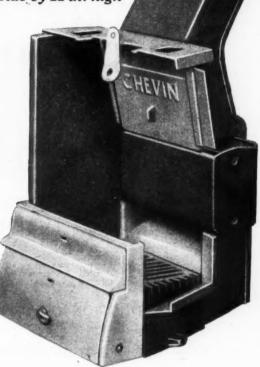
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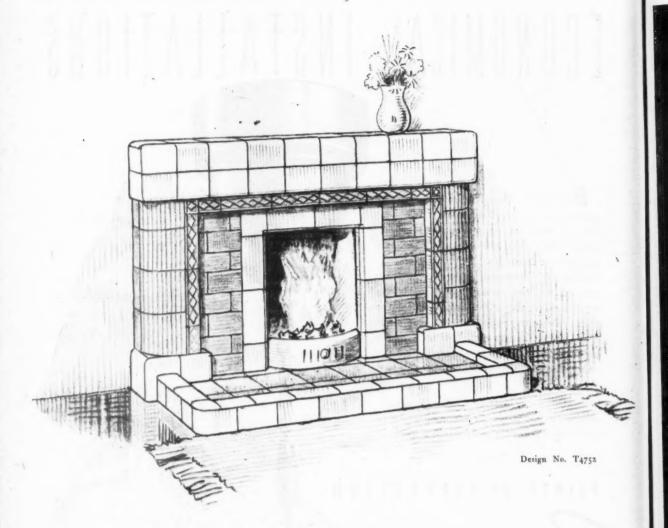
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One of the Colossi at Thebes—erected as a monument to his own glory by Amenophis III, these gigantic stone statues have helped to carry his name down through the ages. In the same manner, though not for a similar purpose,

> many modern buildings in every corner of the globe will bring a message to posterity. A message telling of faultless craftsmanship and fine materials —such qualities as spell the name of Stuart.

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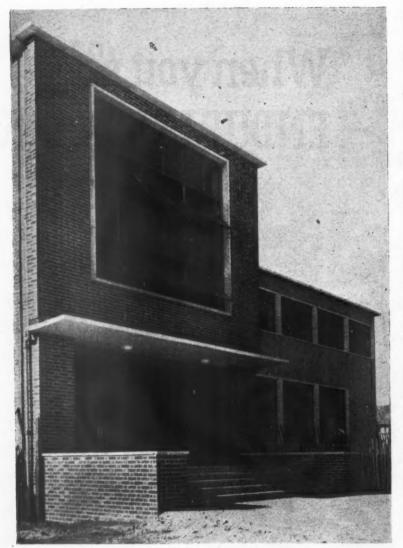
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# External protection and internal decoration SILEXINE Stone Paint

In this recently completed school Silexine Stone Paint has been most effectively used externally on the precast surrounds to windows and doors, and internally on the textured plaster in the crush hall.

"SILEXINE" Stone Paint is supplied in a range of twelve standard colours. It is suitable for application by brush or spray to a great variety of surfaces including concrete, stucco, brick, plaster, asbestos, cement, building board and painted or distempered surfaces.

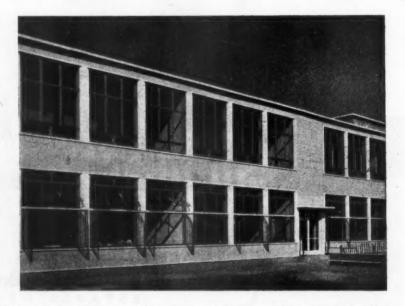
"SILEXINE" Stone Paint is made from finely ground stone incorporated in a special emulsion containing china wood oil, and has a high degree of resistance to damp, weather and fire.

Horne Park Primary School Architect : R. H. Matthew, R.I.B.A. General Contractors : Thomas Tierney & Co. Ltd

Amongst other recent examples of the use of Silexine Stone Paint for exterior protection and decoration is Athenaeum Court. In this building two other Silexine Super Gloss Paint for the window surrounds and, perhaps of even greater interest to architects, the internal walls are all treated in different colours with the new low - maintenance - cost Silexine Plastic Emulsion Coating (Stella 1205).

Full particulars of any or all of these Silexine paints will gladly be supplied, together with specifications, notes on preparation of surfaces and colour specimens.

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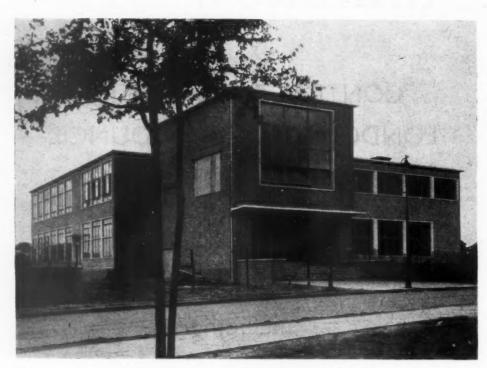
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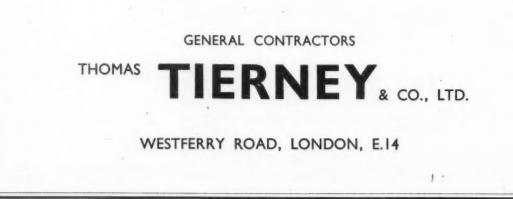
THE ARCHITECTS' JOURNAL for October 27, 1949

## L.C.C. HORN PARK PRIMARY SCHOOL WOOLWICH

Described and illustrated in this issue.



ARCHITECT : ROBERT H. MATTHEW, A.R.I.B.A.

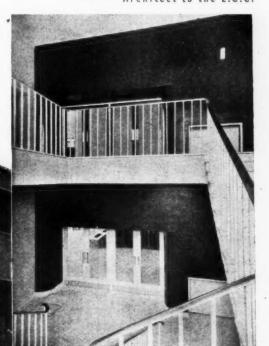


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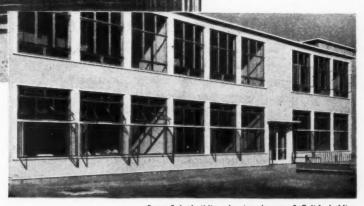
The Main Entrance showing the use of brick

## In the building of Horn Park School the 'Orlit' principle was used

Architect : Mr. Robert H. Matthew, A.R.I.B.A., Architect to the L.C.C.



A view showing the interior



Part of the building showing the use of 'Orlit' cladding

Because 'Orlit' is a constructional *method* — and one with special advantages at that — it gives full scope to the creative genius of the architect. What special advantages? Economy in timber and steel, economy in time. economy in skilled labour on the site.

> Those interested should get into touch with any of the 'Orlit' Companies listed on the left.

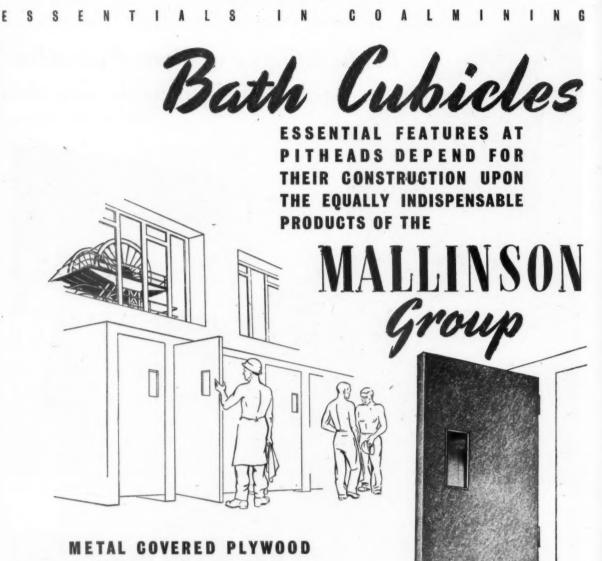
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#### THE ARCHITECTS' JOURNAL for October 27, 1949 [449

In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as



possible. Subscription rates : by post in the U.K. or abroad, £1 155. 0d. per annum. Single copies, 9d. ; post free, 11d. Special numbers are included in subscription ; single copies, 15. 6d. ; post free, 15. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 175. 6d. each ; carriage 15. extra.

## DIARY FOR OCTOBER NOVEMBER AND DECEMBER

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials given in the glossary of abbreviations on the front cover.

BRISTOL. Exhibition of Prestressed Concrete. Electricity House, Colston Avenue, City Centre. (Sponsor, MOW). 10 a.m.-5 p.m. (including Saturdays). UNTIL NOV. 1

LONDON. Exhibition of Houses in the USA. Building Centre, 9, Conduit Street, W.1. Mondays to Fridays, 10 a.m. to 5 p.m.; Saturdays, 10 a.m. to 1 p.m. OCT. 31

Business Efficiency Exhibition. Olympia. (Sponsors, Office Appliance Trades Association). 10 a.m. to 8 p.m. daily. Nov. 9-19

R. Fitzmaurice. Changes in Building Technique. RIBA, 66, Portland Place, W.I. (Sponsor, MOW.) 6.30 p.m. Nov. 14

Building Exhibition. Olympia. Daily, 10 a.m. to 8 p.m.

Nov. 17-DEC. 1

#### COMPETITIONS

New Civic Hall at Guildford. Promoters: Guildford Corporation. Assessor: G. A. Jellicoe, F.R.I.B.A. Premiums: (1) £1,000. (2) £500. (3) £250. Site: Firs Estate, London Road, Guildford. The promoters require a design for (a) a large assembly hall, to seat 1,200 persons, to be used for civic and concert purposes, and (b) a small hall, to seat 500 persons, for lectures with an alternative use as a banqueting hall. The halls are to be designed for use separately or together for one function, with ancillary accommodation which includes refreshment rooms and lavatories; dressing rooms; offices for officials and the caretaker's flat. Drawings, which must be mounted on stiff board, are to be drawn to the scale of 16 feet to one inch. Enquiries must be received by the Town Clerk, Municipal Offices, Guildford, Surrey, with a deposit of £2 2s., to be paid by the competitor for conditions of entry. The last day for questions is November 15, 1949. Designs must be received by April 30, 1950.

(a) Hall of Residence and (b) Site Layout at Nottingham University. Promoters: the Council of the University of Nottingham. Assessor: Sir Percy Thomas. Premiums: (1) £1,000; (2) £750; (3) £500. Section (a) is a design for a hall of residence for 150 women students. The promoters will proceed with the scheme as set out by the winning competitor. Section (b) is a layout of the whole site for four halls of residence. The promoters reserve the right to adopt or modify this scheme, or not to proceed with it. Enquiries must be received by the Registrar, the University, Nottingham, by November 1, 1949. A deposit of £2 2s. must be paid by the competitor for conditions of entry. Designs must be received by March 11, 1950.

Competition for designs for interior treatment of two saloon bars and two public bars. (Sponsor, The Architectural Press Ltd.) Prizes: (1) £500; (2) £250; (3) f100, Assessors: Hugh Casson; J. S. Eagles; R. Furneaux Jordan; E. B. Musman; and J. M. Richards (representing the editors of *The Architectural Review*). Questions must be addressed to "Pub Competition Questions," The Architectural Press Ltd., 9-13, Queen Anne's Gate, S.W.I, and must be received by November 15. Designs must be received by mid-day, February 28, 1950.

Design of Community Centre. The Incorporated Association of Architects and Surveyors. Two prizes, £150 and £75, for Urban Design. Two prizes, £100 and £50, for Rural Design. Open to all architect members of the IAAS, and to any architect, whether principal or assistant, in the United Kingdom, Northern Ireland and Eire. Closing date, February 1, 1950. Applications to General Secretary, 75, Eaton Place, Belgrave Square, S.W.I.

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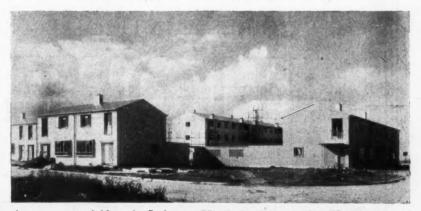
Information Centre ... 475

Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

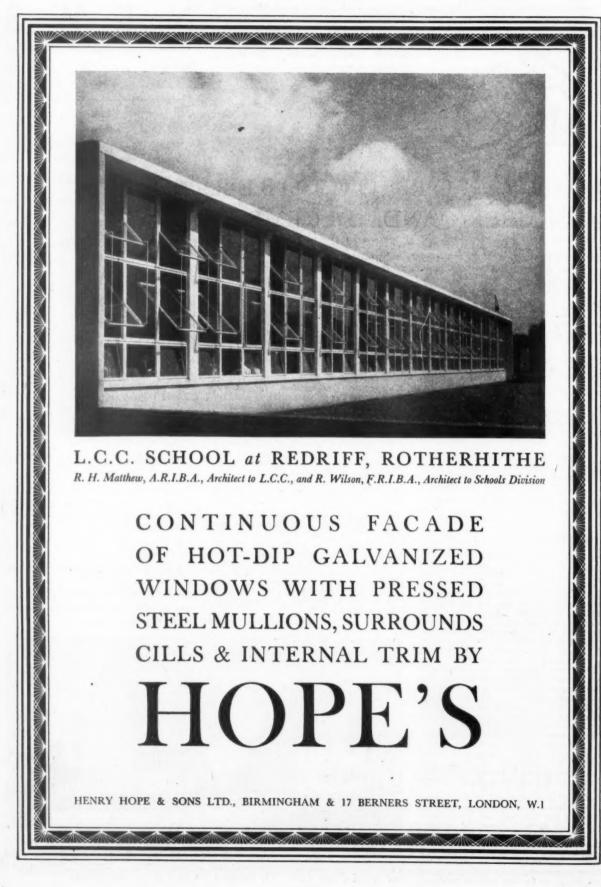
 $\star$  means spare a second for this, it will probably be worth it.

★★ means important news, for reasons which may or may not be obvious.

Any feature marked with more than two stars is very big building news indeed.



A ceremony was held at the Sunbury-on-Thames housing estate last Thursday to mark the completion of fifty-eight houses on the site. Dwellings on this estate; some of which are seen above, have aluminium roofs and balcony railings. They will be illustrated and described next week. The architects are Basil Spence and Partners.



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### From AN ARCHITECT'S Commonplace Book

GEORGIAN TRADITION IN THE CARIBBEAN. [From Treasure in the Caribbean, by A. W. Acworth (Pleiades Books Ltd.). 125. 6d.] The year 1840 was the apogee of development. Though still looking for inspiration from England, the Islands had each of them developed building habits of their own and had, indeed, gone far towards establishing an architectural tradition. Shingles and fish-scale tiles, timber and brick, cut-stone and Spanish-walling, windows and jalousies, hoods and solid shutters, gave ample scope for variety in architectural treatment; and each island had by this ime made its choice. The choice was not altogether a free one—it was conditioned by the availability and relative cheapness of materials as well as by the circumstance of geography. But there was still plenty of room for the play of fancy; and, by and large, the colonists made good use of their opportunity. . . The result is a series of buildings attractive to the eye, well-adapted to their purpose and in complete harmony with their tropical setting : a fitting background, indeed, to the gay throng of top-hatted planters and of coloured folk who six years before had become free subjects of His Majesty King William IV. But 1840 was the apogee. Emancipation in 1834 and Free Trade in 1846 spelt the economic ruin of the British West Indies. At the same time in England the Georgian tradition was itself going into eclipse. In the years following there was little money for new building and such structures as were erected showed the prevailing lack of architectural standards. But this was not all. Estates, and with them estate houses, were abandoned and fell into decay ; fire, earthquake and hurricane took their toll of the rest ; so that of the buildings which graced the islands in 1840 only a small proportion remain today. Those, however, who are interested in the story of architectural development and in the overseas progeny of our own Georgian tradition, can still find Treasure in the Caribbean.

\*

The RIBA REGULATIONS for MEMBERSHIP QUALIFI-CATIONS have been revised. These revised regulations and syllabus for the RIBA Testimonies of Study (Intermediate and Final Examinations) and for the Intermediate, Final and Special Final Examinations, will come into operation on January 1, 1951. The RIBA Final and Special Final Examinations, and the examinations of the Schools of Architecture recognized for the Associateship of the RIBA and for registration under the Architects Registration Acts, 1931-38, will be modified to the extent that the Examination in Professional Practice will be held separately. This will allow candidates to comply with the requirement that twelve months' practical experience must be gained after passing an examination recognized for the Associateship or for registration before the Associateship or registration can actu-

ally be attained. The following exceptions will be made:—

Candidates passing the RIBA Final and Special Final Examinations will be allowed to take the Professional Practice Examination at the first opportunity after passing those examinations provided that they submit satisfactory evidence of having spent, before passing the RIBA Final or Special Final Examination, a minimum period of six years in an architectural office or department or in a suitable technical capacity on building work in course of construction.

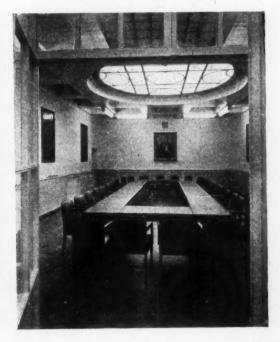
Candidates at recognized schools of architecture qualifying for the Associateship or for registration by the successful completion of a part-time or evening course exempting from the RIBA Intermediate Examination, followed as a minimum by the last two years of a Degree or Diploma Course, will be allowed to take the Professional Practice Examination at the first opportunity after qualifying. Copies of the revised syllabus and regulations for the RIBA examinations may be obtained from the secretary, RIBA, 66, Portland Place, W.1, on application after November 28, 1949.

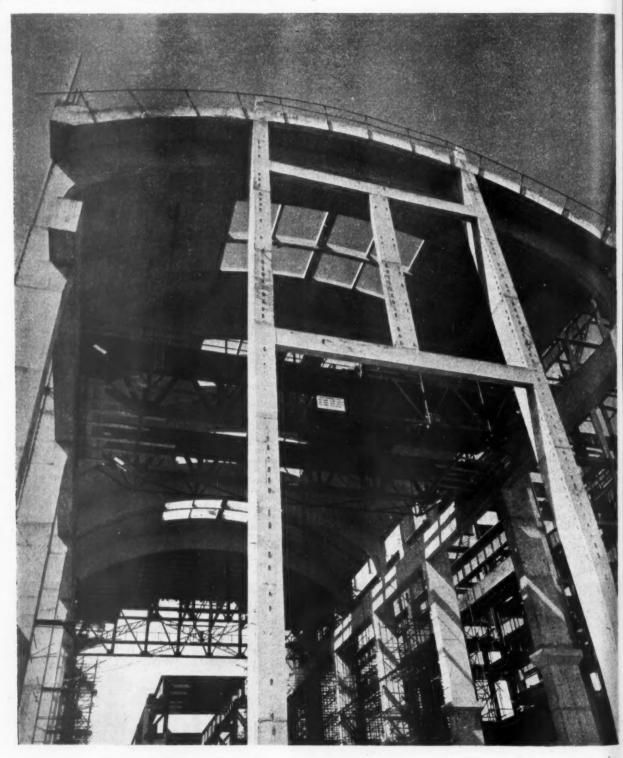
#### \*\*\*

**A NEW HOUSING CUT**. The £35 million cut in the housing programme, announced by Mr. Attlee on Monday, will entail a reduction of 20,000 houses in the total programme of 180,000. The cut will have greatest effect on the private builder, for the proportion of private houses to local authority work will be smaller in future. One result will be a further hardening of prices. Another is likely to be unemployment in the building industry. As the NFBTE has pointed out, the decision is not sound economically, for the cut is being applied to houses which do not cost the rates and taxes a penny.



Above, library, and right, conference room in the extended premises of the British Federation of Master Printers, 11, Bedford Row, W.C. The architect for the building, constructed on a bombed site, was J. D. Wood.





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### A Reinforced Concrete Turbine House

This building is now being constructed at Skelton Grange Power Station, Leeds. The section shown above, which is only the first half of the complete turbine house, is over four hundred feet in length and is divided into fourteen bays, each thirty-one feet long by seventy-nine feet wide. An unusual feature of the design is the shallow depth of the cross ribs of the portal frames at the springings compared with the depth at the centre of the frame. The architect for the whole project is R. A. H. Livett. The erection of the turbine house is being carried out by Holst and Co. Ltd. to their own designs, which were made in collaboration with Chisarc and Shell "D" Ltd. for whom H. G. Cousins acted as consulting engineer. Further photographs will appear next week.

#### The ABT has submitted evidence to the SCHUSTER Committee set up by the MOTCP.

The Schuster Committee was set up to take account of the present and prospective scope of town and country planning and to consider and report what qualifications are necessary or desirable for persons engaged in it.

The ABT is evidence was drawn up by a wide range of practising planning technicians, including architects, engineers, surveyors, economists, geographers, sociologists and other social scientists. The Association maintains, in its evidence, that the future shape of town and country planning will depend broadly not upon the physical planner's activities, but upon Government policy, the nation's energies and international affairs. The limits of physical planning have not yet been clearly defined, they say; in spite of recent legislation there is still an absence of economic planning powers at the highest levels and consequently there is no clear co-ordination of physical planning activities. Planners are attempting to solve problems of economic policy and this has so increased the scope of planning and broadened the field of knowledge to be covered that the question which has naturally arisen is whether the present training of planners is wide enough. The ABT bases its opinions on an analysis of the talks which confront planners of town and country today. It

The ABT bases its opinions on an analysis of the talks which confront planners of town and country today. It expresses the view that in relation to this analysis the personnel required to carry out such a variety of tasks cannot be standardized; each task requires its own selected team and the quality of work will be of a higher order if the team can draw on planning technicians who have a basic specialized training. The one-man consultant must, of necessity, know something about most things, but with the basic planning organization as it is today, with fairly large planning offices at national, regional, county and local levels, there is the possibility of, and necessity for, team work.

The Association concludes that the bulk of planning personnel should be architects, civil engineers and surveyors with a postgraduate training in planning, working mainly at county and local levels. It also makes the following recommendation:— A number of physical planners with a basic training in economics, geography (or a combination of these) or social science, are required for the national, regional and, to some extent, the county level. Their numbers will not be great and they will deal mainly with the basic problems affecting large areas. Other experts, not planners themselves (such as geologists, agronomists, etc.) are required to contribute to and know about planning. The qualified personnel, of whatever type, require the support of draughtsmen, field workers and others, some of whom are capable and should have the opportunity of advancement to the professional level. In addition, the existing staffs in planning offices. whose work has changed drastically in the last few years, should have the opportunity of bringing themselves up to date.

Other recommendations are as follows:— Team leaders should not be restricted to any particular type of planner but chosen for their professional ability and suitability for a particular job. There should be staff courses of three months full time duration, with government or local authority grants. Team members should have a postgraduate course of the duration required by the Town Planning Institute. Associated specialists should have a short nonqualifying course. Existing office personnel should have refresher courses for senior members and training classes for junior staff.

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## THE HOUSING ACT

THIS Act came into force on July 30, 1949, and in effect makes the Housing Act, 1936, generally applicable to

all houses instead of to working class houses only. The term "working classes" has now no statutory meaning, and in interpreting the 1936 Act the Court had already held that the use of the expression in statutes was inappropriate to modern social conditions and that there was no such separate class as the "working class." The Legislature has presumably realised that there would be little point in providing only for a legally non-existent body. There must be a corpse or its remnants to enable the coroner to function.

The Act gives some encouragement to private owners to assist the housing situation by authorising grants towards the cost of conversion or improvement of dwellings. The maximum grant per dwelling is £300, based on a maximum expenditure of £600, and a flat is included under the term "dwelling." Schemes so provided must have satisfactory accommodation for not less than thirty years and must conform to the standards of fitness prescribed by the Minister of Health. Maximum rents will be fixed by the local authority, subject to certain exceptions, and the accommodation must be available for letting unless occupied by the applicant or a member of his family. The fact that maximum rents are to be fixed must be borne in mind, and it is essential that before any schemes are started that the maximum rent is ascertained. If the return on the outlay for a conversion is no better than an investment in securities it would seem to follow that, human nature being what it is, the private owner may not be willing to embark on the task of obtaining approvals and licences if his recompense is to be little more than if he invests his money in other ways. Local authorities should have this aspect of the matter in mind if it is really intended that additional housing accommodation should be provided other than by them. If the Ministry wish for the assistance of private owners in providing additional accommodation, then it should be indicated that maximum rents should have some regard to a reasonable return on the outlay. If the private owner carries out work at his own expense over and above the maximum allowed by the Act then the rent may be increased by not more than eight per cent. on the cost of the work over the maximum. This may, or may not, be an indication of a reasonable return on outlay in the opinion of the Legislature.

Further assistance is to be given to private owners for the conversion, repairing or improving of houses, by loans limited to ninety per cent. of the value of the mortgaged interest, with the freehold value of the house or flat not exceeding  $\pounds 5,000$ . The present limit of  $\pounds 1,500$  on the market value of houses, for which councils may lend money for purchase either under the Housing Act, 1936, or the Small Dwellings Acts, is raised to  $\pounds 5,000$ .

The control of the selling price and the rent of new houses built under licence is extended until December 20, 1953,

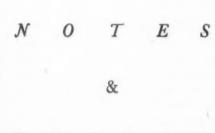
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and this control will now apply to licensed conversions. The basis of the selling price is the cost of building, cost of roads and sewers, restricted land value, development charge and any fees and charges incurred, and the local authority should be supplied with such information so as to enable them to fix the maximum selling price.

Private owners are no doubt ready and willing to assist in providing additional housing accommodation and it remains to be seen whether those whose duty it is to administer the statutory controls will do so in such a way as not to discourage private efforts.







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#### USSR UNDER CONSTRUCTION

Many who went to hear Professor Bernal's talk on building construction in the USSR last week hoping to hear of startling and exciting new developments will have come away disappointed. As the lecturer himself said: " The Soviet building site might be the 'Thatched Barn' Research Establishment blown up many times larger than life." It seems that the main difference lies in the fact that the new equipment is actually in use on a large scale. I suspect one of the reasons for this lies in the fact, described by Prof. Bernal, that large Soviet jobs are very densely manned. It is quite clear, for example, that the bricklaying technique described at the lecture is only possible when there is ample labour available and could not be operated under conditions when practically every job is grossly undermanned, as is the case in this country. It would have been interesting to have had figures in terms of man-hours per unit volume of building work to see what kind of dividend is paid by the Soviet method of building construction.

The listener must have been impressed anew with two characteristics of the Soviet building industry. Firstly, the ruthless, whole-hearted gusto with which new work on an enormous scale is carried out, and the great opportunities that lie before architects and technicians in terms of construction. Secondly, the remarkably formal conception of architecture and building design.

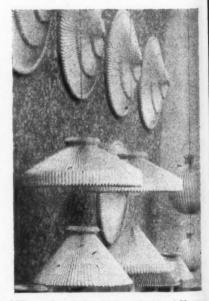
#### ASSOCIATESHIP RIBA

I am no great advocate of examinations, but the decision of the RIBA to hold examinations on professional practice separately to the RIBA and Schools of Architecture Finals does ensure two things. Firstly, that the students will have to undergo a full twelve months' practical experience in an office or on a building site before qualifying. Secondly, that until this separate exam. is passed, the student will not be entitled to put the letters ARIBA after his name.

My only regret is that the period is not longer. When one considers the large number of recently qualified men who are working largely in the category of draughtsmen, in the offices of architects, who, in turn, apart from the odd exhibition stand or similar trumpery, have not actually put up a building of note since 1939, then I think there is obviously a grave risk of the value of the associateship being debased. A qualification of this nature should mean more than just five years' school training and the possibility of a year at an office drawing board. It should mean that, besides academic training, the holder has been largely responsible for the design and construction of at least one building which hasn't crippled the client with maintenance costs.

#### PRESERVING THE ROW

Horace Walpole described Antonio Verrio, who painted the murals round the staircase of No. 11, Bedford Row. the headquarters of the British Federation of Master Printers, as " an excellent painter for the sort of subjects on which he was employed, that is without much invention and with less Nevertheless, the murals are taste." worthy of presentation and the Master Printers and their architect, J. A. Wood, are to be congratulated on the care they have taken over the alteration and enlargement of their headquarters. It seems unfortunate, however, when so much trouble has been taken, that swing doors (see illustration), so entirely out of keeping with the rest of the design, should be hung in the new doorway on the staircase



Those who admire the lampshades of Kaare Klint will no longer be forced to enjoy a trip to Denmark to obtain them as they can now be bought in this country. Above are some of the many designs available.



The staircase of No. 11, Bedford Row, the restored headquarters of the British Federation of Master Printers. (See Astragal's comment below and photographs on page 451).

landing. Don't spoil a good effect, Mr. Wood, for a ha'penny worth of reproduction.

Before the war, the stricter modernists, and, I'm afraid, those in the backwaters of the modern movement today, when given the job of rebuilding a house in Bedford Row, or for that matter, Bedford Square, would design a building in "the modern manner" with, perhaps, a slight concession in the lines of roof and windows to enable it to be " in harmony " with its neighbours. The temptation of selfadvertisement would prove too great for some architects to be content just to restore the house and thus preserve the original design of street and square. I do not suppose, however, that many today will object to Mr. Wood's decision to keep the front elevation just as it was.

While on this subject, is it not time that architects be made responsible not for individual buildings but for entire streets and squares so that the whole development of a limited area is in the hands of one man? The architect has not yet been born who, given the task of developing, say, Oxford Street, as a whole unit, could make it look worse than it does now.

EVERY MAN HIS OWN BUILDER Mr. Frazier Forman Peters, an

American architect, has written a book\* in which he suggests that building your own house with your own hands is not only a means of saving a lot of money, but a very satisfying activity into the bargain. He is honest enough not to shirk the difficulties, and is quite prepared to let you spend three years of your spare time on the job. However, he divides it into steps, and gives you not only a suggestion of the hours required, but a list of the materials and the tools necessary. In a country where timber is easy, he plumps for concrete, or stone faced concrete walls, but he uses most of the shuttering timber later on. He recommends, I think rightly, that professional plumbers and plasterers should be employed, but I should have thought that the electrical work (fairly simple) would be well within the capacity of anyone handy enough to manage the rest of the job.

I don't much admire Mr. Peters's plans, but they are adequate as a peg to hang his instructions on, and his clients seem to like them. Mr. Peters has endless patience with his amateur builders, and if you tried the same thing here I think you'd find yourself in for a lot of week-end bricklaying. In fact you might even find it less trouble to revise Mr. Peters' book to suit British techniques. Perhaps, it

\* Pour Yourself a House. F. F. Peters, McGraw-Hill Book Co. Inc. \$3.95 was the week-end work which caused Mr. Peters to write it in the first place, though I should add that he obviously loves building himself, with his own hands, and wants you to enjoy it too. ASTRAGAL

## LETTERS

(L. C. Howitt, F.R.I.B.A. R. Chanlish John Gloag "Utilitarian" J. H. Leech, F.R.I.B.A.

### Architects Registration Act, 1938

SIR,—Mr. G. B. J. Athoe says that my letter is "redolent of the red herring," but it is the red herring which he himself introduced into an interesting discussion on the legal interpretation of the word "architect" in a form of contract. This particularly fishy product is now disowned by its author who appears to regret the consequences of his diversion and wishes to forget his own irrelevancies which concluded with a paragraph about " the machinations of a professional body to make architecture a 'closed shop' in its own selfish interest."

The author of wild statements of this sort obviously directed against the RIBA must not expect to remain unchallenged or imagine that feigned indignation is an effective substitute for a direct answer. Mr. Athoe has failed to answer my three questions relating to architect members of the IAAS; data about total membership is irrelevant. It is useless to refer me and your other readers who are not members of the ARCUK and the Statutory Board of Architectural Education to the records of those bodies.

I therefore repeat my question. When did the IAAS hold its last qualifying examination for architects? How many sat and how many passed? What percentage of the architect members of the IAAS have passed this qualifying examination?

Perhaps no answers can be given? LEONARD C. HOWITT. Manchester.

#### Overhead Wires

SIR,—Reference your recent comments re the electrification of the suburban train service between Liverpool Street and Shenfield that the "overhead system is good enough for the East End," but does not compare with the third rail system, and should not be tolerated on any possible main line electrification. While fully agreeing that the overhead system leaves much to be desired, from this snobbish quotation, one is led to believe that the feelings of the East-enders do not enter into the matter at all; whereas they are entilled to receive of the very best in the way of transport—and all services—long overdue.

East-enders on the whole are industrious and hardworking craftsmen, viz., tailoring and furniture-making being only two of many East End industries, the results of which are shared by many people in all walks of life. Many notable people have come from the East End, and have helped to make many reforms possible for their old associates and others. So let us have a little less of this

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#### COMBINED CAR

The main features of this department store in Westchester, Los Angeles, designed by Gruen and Krummeck of Hollywood. are the provision of car parking facilities on the roof, the location of the main entrance in the centre of the roof and the absence of conventional shop windows. This type of construction was used so that the clients' requirements could be satisfied within the financial limits imposed. On the left is one of the two car ramps which pass each other diagonally on the west side of the building. Below, left, is a restaurant on the roof, showing the car park outside. The restaurant, together with a beauty parlour, children's nursery and auditorium, were built on the roof to give the impression that the store was a two-storey building. From the main entrance, on top of the store, customers descend by means of escalators and stairs to the shopping area, as shown in the photograph below. The sales area at the foot of the escalators is reserved for articles which are usually considered to be ground-floor merchandise. The other departments radiate from this centre. The departments are separated by six "pylons" which are, in fact. small two-floor buildings which accommodate offices and fitting rooms. At the top of the opposite page is a view of the building, showing how the use of vertical fins gives an impression of height. Beneath it are (left) another view of the restaurant and (right) a photograph showing one of the subsidiary entrances and the free-standing display windows, set at an angle of 30 deg. to attract the attention of passing motorists.



looking down on the East-enders. They don't want to be spot-lighted with praise or publicity, but just given a square deal. R. CHANLISH

#### London, E.5.

[Our correspondent misunderstands the purpose of the remark about overhead wires. These were criticized for spoiling the appearance of the country they traversed. The East End of London's appearance has already been spoilt; it has a confused skyline to which a few more wires will make little difference. There is not, therefore, a strong case for objecting to the use of this system in this area, as there is in the open countryside. Astragal's comments were certainly not based on snobbery.—ED.]

#### Digestive Chair

SIR,—On September 1 Astragal illustrated a metal rocking chair, described as "Dr. Calvert's Digestive Chair," from a photograph supplied by Mr. Ernest Race. I was particularly interested in this illustration, which I saw for the first time upon my return from Denmark a few days ago, because the chair is almost identical in design with the metal rocking chair, used by Hans Andersen, which is preserved in the Hans Andersen Museum at Odense. There are certain minor differences in the design; the iron members of Dr. Calvert's chair being of flat section so Mr. Race informs me—and those of the Hans Andersen chair being of semi-circular section. It is possible that Hans Andersen's chair was acquired in America, where this type of chair was popular in the second half of the 19th century.

London.

JOHN GLOAG

#### Economics and Aesthetics SIR,-Now that the building and rebuilding

SiR,—Now that the building and rebuilding of business blocks has started, would it not serve a useful purpose if a little less, and, in some cases, a good deal less, of the artistic write-up of jobs was dropped and statistical data substituted? This would allow the comparison of different buildings.

In this class of building, rentable floor area is the ultimate criterion and a minimum of waste is a measure of the planning. A few words would suffice to describe the amenities, the appearance, terrazzo floors, colour scheme, etc., etc.; these are features to be seen and given a value by a prospective tenant. Cost, expectation of life, and yield are aspects of interest in a wider field.

" UTILITARIAN "

#### The Knowledge of Priests and Architects

SIR,—I do not think that Astragal need be so astonished at a vicar's pronouncement that, among other things, a successful priest should have "the knowledge of an architect." I have had a good deal to do with the clergy for a number of years, both as

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a diocesan surveyor and an ecclesiastical architect, and I would say that there are very few parsons who at some time or another have not had a great deal to do with new building operations in respect of churches, halls, vicarages and farm-build-ings, etc.; or with the repair or renovation of all or any of these classes of buildings; or with such things as acoustic problems, interior decoration and furnishings, lighting and heating installations, water supplies and interior decoration and furnishings, lighting and heating installations, water supplies and drainage; not forgetting the financial side, where it is almost a necessity for the parson to have at least a working knowledge of building prices, and an accountant's ability to raise funds and obtain grants and loans from diverse sources to pay for such things. In addition to all of which he is expected to be able to read and understand archi-tects' and engineers' working drawings; to have an educated taste in art and architec-tural design; a knowledge of archeology, and an ability to discuss and discourse intelligently on such subjects—which he

surprisingly does-with learned people from the professions and others equally learned

the professions and others equally learned from specialist trades. Even if the parson, through fortunate con-ditions of his parish, is let off these sundry matters, he is faced every five years with an extensive survey and inspection of his house, glebe buildings and glebe lands, for repairs under the Dilapidations Measures (which latter are quite complicated enough in themselves). Here, again, he may be the fortunate possessor of a modern vicarage, with no glebe buildings and lands to worry him; or, which is much more likely and common, the unfortunate possessor of an enormous old-fashioned vicarage, which con-tinuously drips water on him from an inenormous old-fashioned vicarage, which con-tinuously drips water on him from an in-curable roof, or seeps up from the walls and floors; where the only water supply is from a doubtfull well which dries up com-pletely in time of drought; or where modern drainage is almost non-existent; and where, if he does not die prematurely from pneumonia, rheumatic fever, typhoid or diphtheria, he manages to exhibit in a prac-tical way an astounding knowledge of things architectural and constructional, and exer-cises his skill in the use of saw, hammer, chisel and blow-lamp in an endeavour to keep the old place from falling about his ears. ears.

Truly the vicar was right about the re-quired knowledge of an architect. I am sure you will agree that something more than a superficial knowledge of dry rot and death-watch beetles and an ability to slap on a bit of distemper is required. Which leads me to be tempted to suggest that a successful architect should have the know-ledge of a priest, where the exercise of the priestly qualities of patience, and Christian forbearance in suffering fools—if not exactly gladly—would no doubt be of considerable benefit to we harassed and frustrated archi-tects in this present age of restrictive practices! J. HOWARD LEECH. J. HOWARD LEECH.

Harpenden.



Speeches and lectures delivered before societies, as well as reports of their activities are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials-see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speakers own words.

### ILA

#### Thomas Sharp

October 20. Presidential Address given to members of the Institute of Landscape Architects, 12, Gower Street, W.C.1.

Thomas Sharp : The 20th century Englishman is the inheritor of a landscape that was largely created or directed by his 18th century predecessors. And we in our profession are the successors of But we are given provers of landscape. But we are given more than an inheritance. We are also opportunity. An opportunity emarkably are the successors of the 18th century im-provers of landscape. But we are given more than an inheritance. We are also given an opportunity. An opportunity which is in some respects remarkably similar to that which was so admirably used to produce what we now inherit: but also one which is in some other respects even greater in its range and possibilities than that was.

Consider for a moment the parallels be-tween the 18th century opportunity and ours today. The changes which in the 18th century altered the face of a great part of England and turned it from a bare and patchy universality into its present lovely and humanized individualness were the results of social, economic and mechanical advancements. The reorganization of the system of land the development system of land tenure, and the development of agriculture through the production of new types of crops and new methods of producing them, were the causes of change

then. And so they are today. But the Englishmen of the 18th century didn't merely let them happen without consider-ing their effect on the landscape, or be-moan them with a sentimental cry for preservation. They accepted them for what they were-they accepted them as preservation. what they were—they accepted them as opportunities for landscape improvement. It rests upon the people of England as a whole, and upon our organizations of national and local government, to see to it that the same opportunity is not missed today. It rests upon us doubly as land-scape architects for we have in addition scape architects, for we have, in addition to our responsibility as members of the community, the responsibility, as people whose special concern the landscape is, to see that the opportunity is not only seized but is used aright.

#### CHRISTMAS-TREE LANDSCAPE

I cannot this evening discuss the details of the changes in landscape which may result from the changes in agricultural economy. Many of these changes may be broad and bold in their effects; and many more will be of a subler less obvious kind. But there is one change that I should like to refer to a little more definitely by way of example, because it involves a far more revolutionary modification of landscape than any purely agricultural change is likely to require—the change arising out of large-scale afforestation.

I confess that I am one of those who do not much like the landscape that great conifer forests produce. I have seen whole valleys of my native Northumbria changed out of recognition during the last twenty years. And I have deeply regretted the loss in asthetic pleasure which this change has brought—naturally so, I think, for most of us grieve at the loss of a loved landscape. But clearly we must not judge most of us But clearly we must not note change only on its æsthetic results. The landscape is primarily a place of economic activity. We must admit to it every form activity. We must admit to it every form of activity which, in the balance of various considerations, contributes to the welfare and prosperity of the nation. Softwoods are a crop as much as wheat is, or cabbages, or sheep; and, if the value of the crop is greater than the values it displaces, then the growth of the crop is a contribution to the national good. If the balance of the national good requires a particular development of this or any other kind, then, as landscape architects we must accept that development and play our proper part in producing from it the best possible results that we can achieve in terms of landscape.

But while we cannot judge change only But while we cannot judge change only or even primarily, on the æsthetic effects resulting from it, we can only at our peril ignore æsthetic values. They, too, are an important part in the national good. The English countryside is among the noblest of all the works created by man. It is, I believe, along with our poetry, England's greatest contribution to the arts of civiliza-tion. Impoverised and hard beset as we tion. Impoverished and hard beset as we are, it will need very strong arguments, indeed the arguments of extremity, to justify any developments which will destroy justify any developments which will destroy or strongly modify the characteristic land-scape of this country. Our proper work, it seems to me, is rather to actively main-tain that landscape by the deliberate re-placement of its dying constituents in hedges and broad-leafed trees. If there must be planting of conifer forests then it should be in place away from our charmed should be in places away from our charactersitic countryside, on northern hills, or especially in Scotland where, in any case, even the cultivated country is much nearer to the universal landscape of agriculture than it is to the softly humanized country-side of England. And even here there are special values that must be respected. Special scenic values as in the English Lake District. Special recreational values in the enclosed of terrety for the in the neighbourhood of towns; for even when forests are made free they cannot

offer the townsman the same sense of re-lease as the open countryside does-the trees crowd as houses crowd, the views are and other special values must be con-sidered even in places where the traditional characteristic countryside is not at stake. And even in these places which may properly be afforested, in the balance of the national good, the details of the planting itself must be so undertaken that the new landscape is good of its own kind. And it is here especially, in the siting of rides, in the treatment of the forest edges, and in many such matters, that the landscape architect, having played his part in the broader planning, has his particular and specialized contribution to make in terms of landscape design. Much the same terms of landscape design. Much the same kinds of consideration apply to activities which are not concerned with the raising of crops, but with the exploitation of mineral resources (as in mining and quarrying) or with public works (as in the con-struction of hydro-electricity undertakings and other power-producing works, or in the building of roads, railways or aerodromes).

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#### MONSTROUS MONUMENTS

Here I would like to digress for a moment or two from my present point to consider the problem of whether the town landscape or the country landscape is the more capable of absorbing the great erections required by some of our modern public required by some of our modern public utilities. It seems to me that the greatest obstacles to the achievement of decently humane towns today are the monstrous buildings required for electricity works and are work. Almost every town in the gas works. Almost every town in the country is dominated to a bitterly cruel degree by these things. Strangely-shaped cooling-towers, cloud-piercing chimneys, degree by these things. Strangely-shaped cooling-towers, cloud-piercing chimneys, vast turbine-houses, retorts and gasholders overtop everything with an irredeemable brutality: cathedrals, churches, universities, town halls, to say nothing of all the little streets of little human houses, are crushed henceth their awful bulk All enirtual streets of little human houses, are crushed beneath their awful bulk. All spiritual values are quenched by these vast manu-facturies and symbols of anonymous energy and power. Now I do not wish to be misunderstood. I am not speaking of these things in any æsthetic sense. They may have great æsthetic and dramatic qualities as abstract shapes. But that does not help them in the town, for they out-rage the human scale, to which all things in a town must be related; and they outin a town must be related; and they out-rage the spirit of man in the place of his own creation. It seems to me that there must be something seriously wrong with a civilization which lets these monstrous erections be built in its towns with scarcely a murmur of protest except when they damage some special place, like, say, Oxford or Durham.

This may perhaps seem to you to be a digression into the field of town planning; but I have made it for a purpose. For but I have made it for a purpose. For what I want to suggest is that these things should not be in the town at all, but rather in the countryside, away altogether from the human habitations which they now outrage. Even though the English countryside is the most humanized in the world, and even though the scale of nature has been deliberately reduced there and brought within easy human apprehension by the breaking up of natural distances into a succession of small units—in spite of this the human scale is not the inevitable of this the human scale is not the inevitable measure in the countryside as it must be in the town. And the main offence of these inhumanizable utilities would be at least greatly diminished if they were built least greatly diminished if they were built in rural rather than urban places. I think, indeed, that it would disappear altogether. Now I know very well that such a suggestion will give offence to many people. They will argue that one of the supreme attractions of the countryside is

that it is only there that one can escape from the more hideous works of manindeed (and it is a strange thing in so humanized a country) most people would say that it is only there that we can escape from the works of man altogether. Why —it will be asked—why defile the country with what belongs to the town? But that merely shows what an ignoble view has been taken of the town in England during the last hundred years. Ugliness, squalor, defilement are held to be the natural or at any rate the unavoidable attributes of the town—which, of course, is why it is what it is. But as I have said, what is offensive about these great structures is not their appearance as such; it is in their size in relation to the human scale. In the countryside, provided that their situation were well-chosen—clearly, for example, they should be in a hollow rather than on a sky line, and among trees rather than in a bare place—provided they were wellsited, well-designed in themselves, and their sited, well-designed in themselves, and they should be in a bollow rather than in a bare place—provided they were wellsited, well-designed in themselves, and they immediate surroundings well-landscaped, they would, I believe, be far less damaging to the human spirit than they now are in the towns.

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#### LANDSCAPE AND TOWNSCAPE

I must now pass to a brief consideration of some aspects of the landscape treatment of far smaller spaces than those of the countryside, namely, those of the town. I do not propose to speak of the detailed or parks. Though the English people in general may still lead the world in their natural constituents of gardens and parks, and especially of flowers, the standards of the use of the various materials to make a satisfactorily whole design of them, especially in public places, is by no means as high as the standards attained in the eultivation of the natural materials themselves. Perhaps, indeed, the love of flowers and the perfection achieved in cultivating them, itself to some extent militates against to col consideration of their use in the places. I do not wish it to be thought that I am suggesting that the design of private and L think that there are evidences that wat d I think that there are evidences that what design in small public gardens is; and I think that there are evidences that we are at present being actually retrograde ather than progressive in the matter of privative what may be described as townscape. And by that I mean urban scenery considered as the combination, the intepratis of the town, and within that combination the effective inter-play of the

Let me give one or two examples of what I mean, here in London. Take Leicester Square garden. Until the recent war it was a railed-in affair of paths, lawns, trees, flower-beds and seats—all on two or three hundred square yards at the very heart of this great metropolis, and the only open place alongside the surrounding busy streets. When the railings were removed during the war, the lawns and flower beds were trodden out of existence. But the whole paraphernalia is now being reconstructed, with every bit of lawn surrounded with concrete posts and chicken wire to keep the public off the unnecessary grass. It looks like nothing so much as a series of absurd little chicken runs. Now I maintain that the public were quite right to tread it down during the war; and that those who are trying to turn it into a

garden again are wrong. The place is far too small to serve as a garden in this congested locality; and it can only be kept as a garden by denying its use to a lot of people who would otherwise frequent it. This is the kind of busy square which should be decently paved and left wide open, as I am sure it was, in common with all the early London squares, when first it was developed. There are one or two other places in central London which should be given the same kind of treatment; but this is the most obvious of all. In our love of grass and flowers we seem to have lost the understanding that a wellpaved square, especially if it has trees, like Leicester Square, can be good to look at. In this respect we can learn a great deal from continental countries. An occasional paved square is a very desirable as well as a very necessary feature of central-city townscape.

An example of a different kind occurs nearby, at St. James's Square, the home of the Ministry of Town and Country Planning. This, too, like most other central London squares, suffered a good deal during the war; and this was one of the first to be rehabilitated. Its lawns were resown, and very sensibly its trees were thinned a little; but, not so sensibly, its boundary shrubberies were maintained and a new boundary hedge planted round it. Now St. James's Square garden is much bigger than Leicester Square garden; and it is an altogether quieter locality. So it is right that it should retain its lawns. It may even be right (though I will not attempt to argue the point here) that it should be kept locked up. It was also right, when it was used as the common garden of the houses facing the square, that it should be hedged in for privacy. But now that the facing buildings are all offices, there is no need at all for privacy; and even if the lawns themselves cannot be made free the views over them can. And. I maintain, they should be. Where privacy is no longer required, or should be foregone in the public interest, the means of obtaining privacy, the high hedges, the shrubberies, are unnecessary and should be eliminated; and the landscape within the garden should be brought into and become part of the larger townscape.

#### METHODS OF ENCLOSURE

There are, of course, times when enclosure is required even when privacy is not.' This is possibly the case in St. James's Square, and other places of like kind. It is also, we are told by the police, the case in Green Park. So something like a whole battery of obstacles has been set along the Piccadilly boundary of that park, First there is the old dwarf wall of the original railings, then the squalid concrete posts and chicken-wire, then a holly hedge, then a further fence of wired chestnut palings. It may be that all this squalor in the centre of the capital of the British Empire may be merely temporary; and some of the farmyard encumbrances may be removed when the holly hedge has grown sufficiently. But the essential and important point remains that this kind of enclosure is altogether wrong. Leaving aside the question of whether or not a prickly evergreen is just about the most in appropriate hedging in a city, the point I want to make here is that there should be no solid obstacle to vision at all. In these town parks, even more than in squares, the value of the space is almost as much in people being able to *see* into it as in being able to *go* into it.

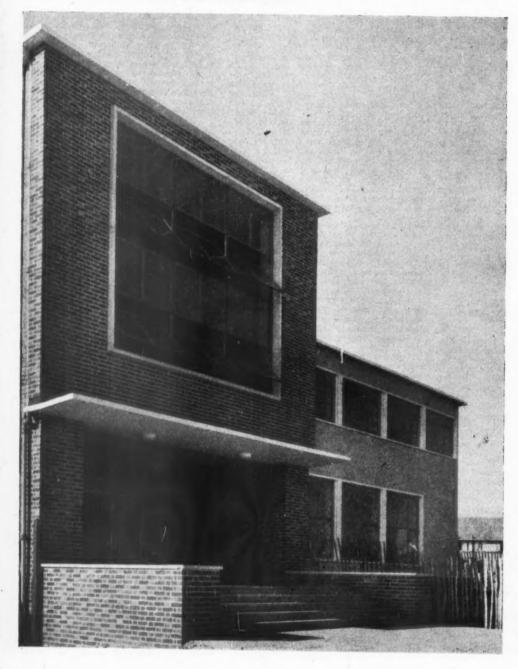
The number of people who enjoy the mere sight of Green Park when going along Piccadilly about their daily business is far greater than the numbers of those who actually get inside. The holly hedge, or any other solid boundary, will completely shut the park away from passers-by if it is allowed to grow sufficiently tall to keep people out at night; and even if it is kept to a height where one can just see over it, its intention will not only be impaired, it will remain a most objectionable interruption and an obstacle to one's external enjoyment of the place. The planting of this hedge is not only an anti-social act, it illustrates how insufficiently the purpose of landscape in the town is recognised today. If such places must be enclosed, they should be enclosed by open iron railings; and if such railings cannot be obtained for some time yet, it would be far better to use the chicken wire without the holly —and with a square rather than a diagonal mesh, and supported by something less crude than heavy concrete-strutted concrete posts.

#### USE OF TREES

These are one or two examples of failure to recognize the true nature and value of landscape in the town; and they are examples of the need for the wider recognition and practice of the art of landscape architecture. There are many other matters which I should have liked to refer to in some detail. I should have liked particularly to refer to the incidental rather than the monumental use of trees in street scenes—a use far more in tune with our English spirit than the formal avenues favoured by many other nations, and one which is far more sympathetic to architecture and produces infinitely more subtle and delightful effects in townscape. As witness of this I should have liked to analyse, for one example among innumerable others, the irreplaceable contribution made to the beauty of Oxford's High Street by that one miraculous tree which leans over the pavement between Queen's and All Souls; and, for another example, that group of trees at the middle of the concave side of the curve of Whitehall which is likewise of irreplaceable (if commonly unrecognized) value in that street of monumental buildings.

There surely should be no doubt, among those who have thought about the matter. that the strengthening and development of the art and practice of landscape architecture is a most necessary part of any activity towards preserving what is good and improving what is less than good in the scenes among which our lives are set. It seems to me that, within the next few years, if England's heritage of landscape is not to perish by neglect and mishandling, and if the opportunities of creating new beauty in town and country are to be achieved, then besides a body of private practitioners serving private and public needs, there should be landscape architects in the offices of every local authority in the country and in the central and regional offices of the Ministry of Town and Country Planning and all other Government Departments concerned with the use of land.

It is, of course, only too pitifully true that at present our members are too small to answer any such call if it came. What the solution of the problem is I do not know, unless it be that powerful agencies like the Ministry of Town and Country Planning should take a more active part in recognizing the need for the profession and in fostering its development. But of this I am quite certain, unless the art and practice of landscape architecture is developed and recognized, the hopes of having in this country an environment for living which has beauty as well as convenience can never by any possible means be fulfilled.



Main entrance of Horn Park Primary School, with uncompleted cloakroom wing on right.

# SCHOOLS FOR THE LCC

BY ROBERT H. MATTHEW, ARCHITECT TO THE COUNCIL

DEPUTY ARCHITECT, DR. J. L. MARTIN ARCHITECT, SCHOOLS DIVISION, R. WILSON PRINCIPAL ASSISTANT K. J. CAMPBELL (until July, 1949 G. W. HOME)

### I. HORN PARK PRIMARY SCHOOL

GENERAL.—This primary school, which will serve a new housing estate at Horn Park, Woolwich, was planned to allow erection in four phases, as follows :—(1) Six classrooms, lavatory and staff accommodation; (2) assembly halls, kitchen and dining halls, etc.; (3) further classroom accommodation; (4) nursery classes. Phase (1) has now been completed and phases (2) and (3) will be commenced at an early date.

SITE.—This is a level plateau on top of a small hill, falling away to the south, with views over open country.

PLAN.—The classrooms are planned on two floors, with a southerly aspect. The main entrance will have direct access from Alnwick Road, and the assembly halls will be placed close to it for public use. The infants and juniors will be completely segregated and the lavatories are planned for ease of access both from the classrooms and the playground.

CONSTRUCTION. — Assembly halls, classrooms and administration block : precast concrete construction. Main entrance and

Top: the classroom block, containing six rooms, seen from the south-east. The block is the first stage of the school for 560 pupils to be completed. The wing will eventually be lengthened to contain sixteen classrooms. Centre and bottom, a typical classroom.

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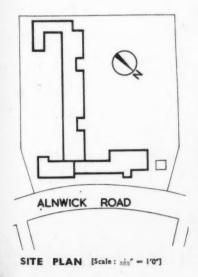
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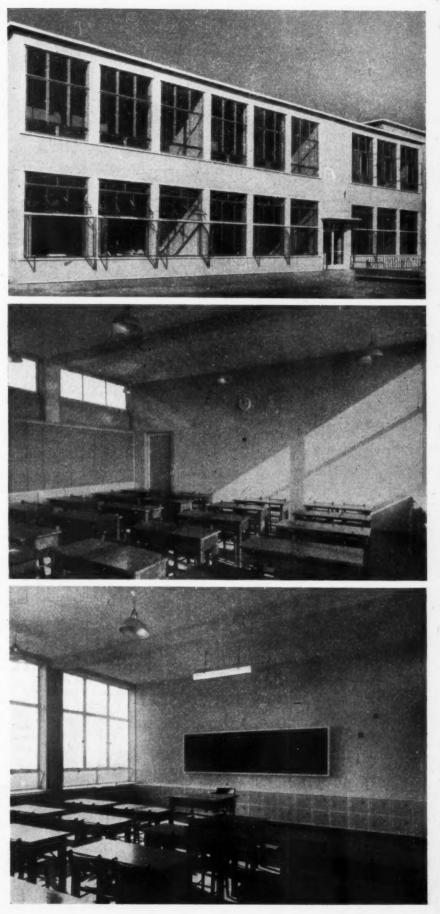
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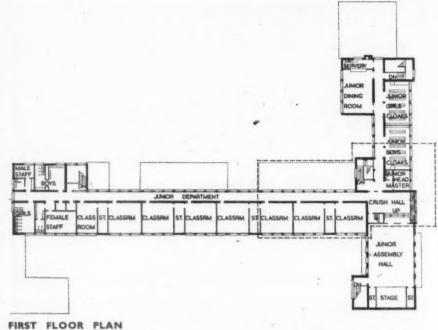
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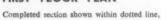


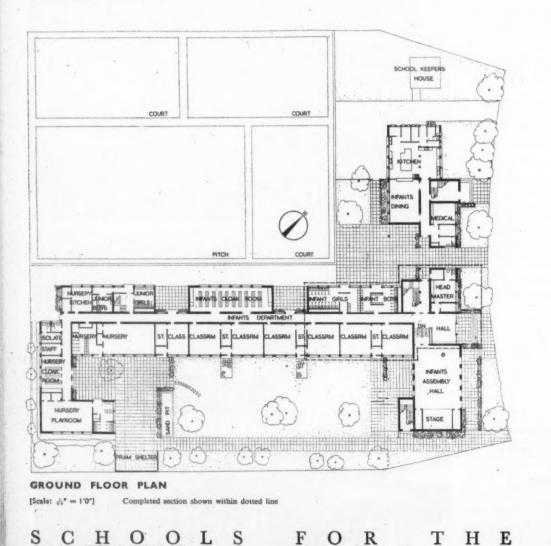


staircase blocks : brick and in-situ reinforced concrete. External walls : concrete blocks faced with 2-in. Hopton wood stone with 7-in. cavity and 2-in. foamed slag core blocks internally. Floors and roofs : 2-in. precast concrete slabs supported on precast concrete secondary beams. Roof finish : foamed slag screed covered with three layers of bituminous roofing felt. Internal partitions: 2-in. precast concrete block. Windows : steel frames in precast concrete surrounds. Brick portions in 1312in. cavity wall construction with reconditioned Portland stone surrounds and steel windows.

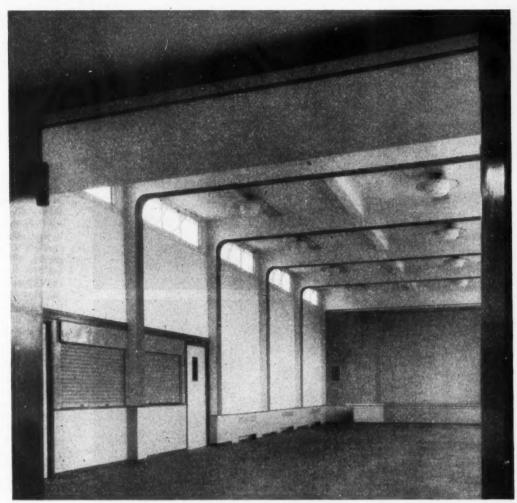
The assistant architects were T. Grierson, G. F. Horsfall, T. J. R. Winn, W. Martin, P. W. Dumpress.

The general contractors were Messrs. Thomas Tierney & Co., Ltd. For list of sub-contractors, see page 478.





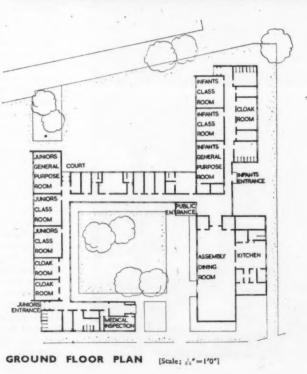
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The assembly and dining hall, with the entrance to the servery and kitchen, left.

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#### REDRIFF 2. RIMARY P S HOO C L

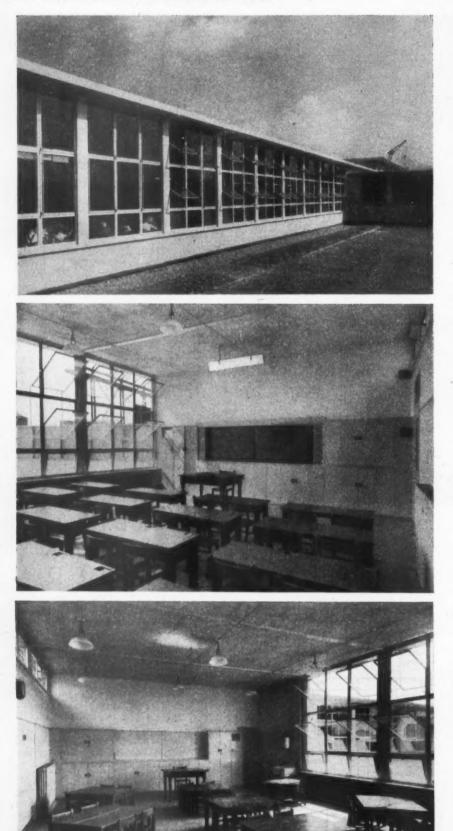
GENERAL.-This is one of a programme of 11 special light construction schools, and was built to replace a primary school de-, molished by enemy action during the war. The building comprises a one-form entry mixed infant and junior school for 240 pupils, and includes an assembly hall, which also serves as the dining room. The medical inspection room, in addition to serving the school, is designed to be used as a minor ailments treatment centre for the dock area adjoining.

SITE.-The school is located in the heart of the Surrey Commercial Docks. Only half the site was immediately available for development. The future extension comprises a playing pitch and garden, and is at present occupied by a temporary nursery school.

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ARCHITECT : ROBERT

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Top, infants' classroom wing of Redriff Primary School seen from the south. Centre and bottom, classrooms, showing variation in arrangements of tables and chairs, and the standard cupboards at the end of each room.

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PLAN.—The teaching rooms are planned in such a way that the infant and junior departments are separate units connected by the staff accommodation. The medical inspection room is close to the road with separate access for the public. The main approach is by means of a paved walk through a court and the enclosed garden.

CONSTRUCTION,—A reinforced concrete raft forms the foundation for a light steel frame. The panel infilling of 3-in. wood wool slabs is clipped and bolted to the framework. Metal windows are fixed to pressed steel surrounds. The roof is a 2½-in. reinforced concrete slab cast on permanent wood wool shuttering, and covered with threeply bituminous felt. The construction was designed to allow maximum standardization throughout the school programme.

INTERNAL FINISHES.—Extensive use has been made of stimulating colours throughout the circulation areas. Classrooms are treated in pastel colours to give a quiet background. *Floors*: laid with composition tiles; *dados*: cold cement glaze and other wall surfaces distempered; *ceilings*: wood wool slabs treated with plastic water paint. Standard classroom fittings include lockers, cupboards, blackboards and loudspeaker units.

SERVICES.—Heating is by means of low-pressure hot water radiators from gas-fired boilers. Hot water service, thermostatically controlled, is also provided by means of gasfired boilers. Loudspeakers are fitted in all classrooms and assembly hall (controlled from the stage); the equipment has, in addition, a record playing desk.

The assistant architects for the design and construction of the school were A. W. Stringer, W. J. Smith, J. G. Cairns. The general contractors were Messrs. William Harbrow, Ltd. For list of sub-contractors, see page 478. and sm sq. per two roce and roce iab roce

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### 3. WOODBERRY DOWN HIGH SCHOOL

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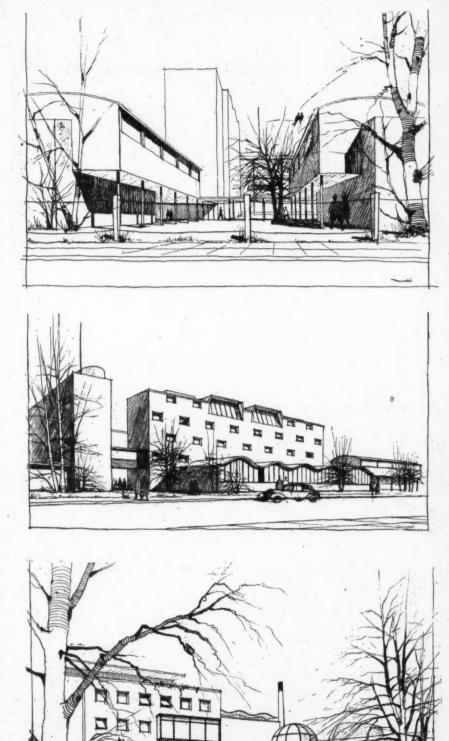
GENERAL .- This is the first of the new comprehensive high schools to be planned in the London Area and it is designed as an eight form entry school to accommodate 1,250 pupils of both sexes mainly from the adjacent housing estate. In addition to the basic core of studies common to all pupils, the school will provide courses suitable to the needs not only of those who may be expected to leave at the age when school attendance ceases to be compulsory, but also for those who, as their studies develop, will require courses in some cases up to advanced sixth form standard on the practical as well as on the academic side.

SITE.—This is restricted for a school of this size and totals about 5¼ acres, sloping slightly to the south where it overlooks and is bounded by the New River and a large reservoir. A certain number of trees already existing will be retained.

ACCOMMODATION. — This includes a large assembly hall for seating 1,400 (partly in a gallery), the platform designed for orchestral and concert performances, and a smaller hall of approximately 2,000 sq. ft. equipped for dramatic performances. In addition to twenty-four classrooms, larger rooms are provided for needlework, drawing, geography, music and typewriting. There are four rooms for arts and crafts, five laboratories with two lecture rooms, a library, three gymnasia,

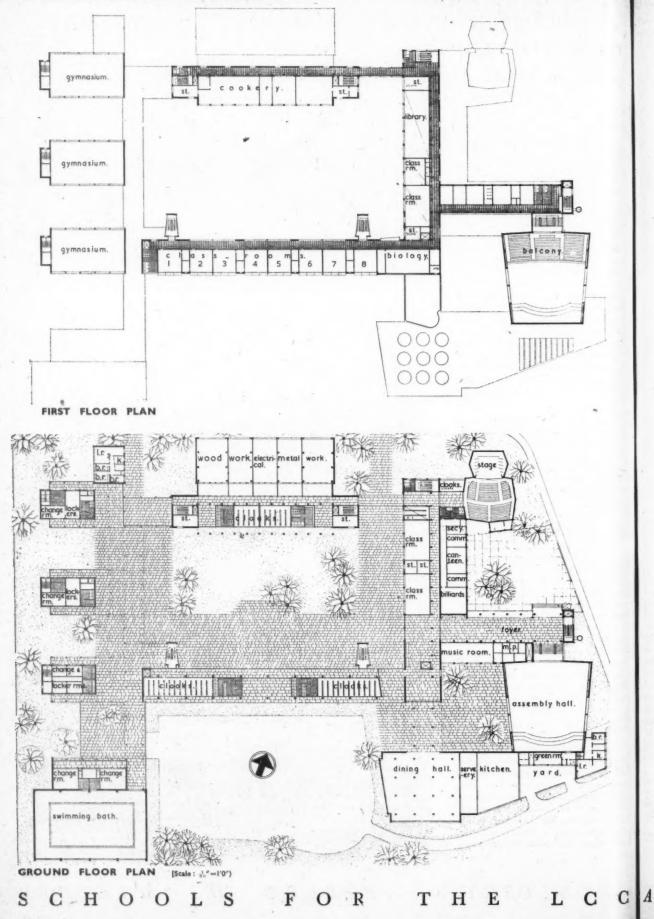
Top: the proposed high school from the west with two gymnasia in the foreground. Centre: from the north-east, showing the arts and crafts wing, with the workshops in the foreground. Bottom: from the south, showing the dining room on the right and the classroom, with greenhouse for biology classes, on the left.

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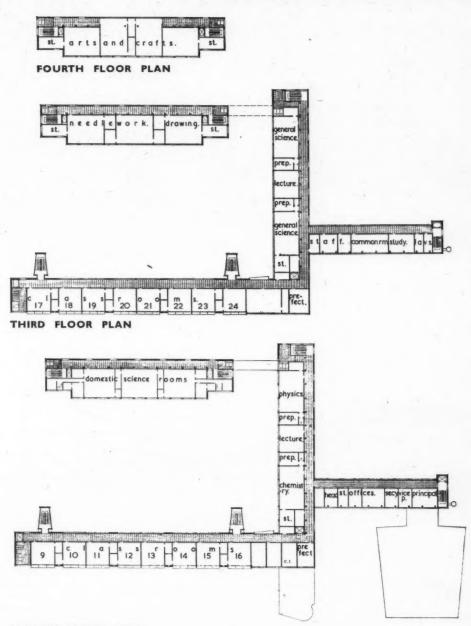


ROBERT H. MATTHEW

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#### SECOND FLOOR PLAN [Scale : 10"=1'0"]

and five workshops for technical subjects. For housecraft, including advanced cookery, there are to be five large rooms with two domestic suites attached. Other accommodation will include a large dining hall and kitchen, staff rooms, medical suite, accommodation for resident school-keeper and assistant and all necessary stores, cloakrooms, lavatories, etc. Provision has been made in the plans for a swimming bath. In addition, provision has also been made for community centre and evening institute purposes.

PLAN .- The school has been designed as a group of buildings informally linked together around the play spaces and courtyards, in order to avoid what might have been the overwhelming scale of one large block. The main classroom wing is in the south of the central courtyard and overlooks the New River and the reservoir, which form the southern boundary of the Woodberry Down Estate, Stoke Newington.

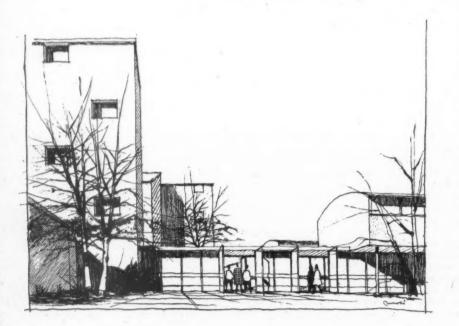
On the east is the focal group containing the main entrance foyer, assembly and dramatic halls, administration community and centre accommodation. The dining hall at the south end of this . group also overlooks the water. At the western end of the classroom wing are the three gymnasia, arranged in series with changing rooms under and approached by a covered way. At the south end of this group, and again overlooking the reservoir, is the future swim-The plan is comming bath. pleted by the workshop and special subject wing on the north of the central courtyard. The pupils will enter by way of the wide courtyard

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Top: main entrance front to Woodberry Down High School, with the small theatre in the foreground. Centre: the swimming bath, in the foreground, and the classroom block and gymnasium in the background. Bottom: from the north, showing the entrance to the gymnasium units.

north of the workshops, the cloakrooms being placed under the north and south wings. The usual demand for paved play space necessitates the provision of a certain amount of tarpaving, but every opportunity will be taken to relieve this by means of gardens and lawns, and by leaving as many of the existing trees as possible. . It is to be expected that detailed accommodation will be amended and varied as the school develops towards the building stage which is anticipated in 1950. Precise educational requirements will also develop with the final plans. Many architectural problems in design and planning are presented by this new school-problems of scale and atmosphere, and problems of hori-zontal and vertical circulation to obtain rapid assembly and dispersal and economy of space without congestion.

The assistant architects were :-A. Mackenzie, E. Broughton, J. Potter, K. L. Larsen, D. Gregory-Jones, D. Browne, M. Gooch. Perspective sketches were by M. Didriksen.

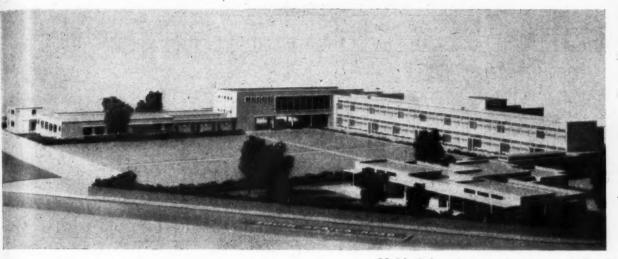
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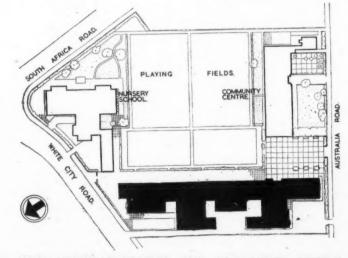


Model of the primary and nursery school and community centre seen from South Africa Road.

### 4. WHITE CITY PRIMARY SCHOOL

**GENERAL.**—The accommodation\* includes a primary school for 320 infants and 280 juniors, nursery school for 80 children and a community centre. The buildings are grouped round the eastern, northern and western boundaries in order to give the maximum privacy to the playground, and at the same time take the classroom windows as far away as possible from the adjoining blocks of flats and give them the maximum view and sunlight. This grouping also permits the entrance of staff, parents, visitors, etc., to the buildings without crossing the playground, and allows the provision of a "service" road on the northern boundary.

PLAN .- The irregularity of the site in the south-eastern corner lends itself to the more informal type of design and layout of ground required by a nursery school. The site will have access from Australia Road by a roadway along the southern boundary. The community centre is situated on the western boundary as it is nearest the housing estate, and the plan is designed that the junior's assembly hall on the first floor can be used in conjunction with the centre without entering the school. Particular attention has been paid to the siting of staircases and entrances so that the infants' and juniors' traffic to and from the playground from their respective



SITE PLAN SHOWING SCHOOL AND COMMUNITY CENTRE [Primary School, first stage indicated in black]

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departments will not conflict. The schoolkeeper's house has been sited in the south-western corner so that he will have direct supervision over the entrances and community centre and the maximum privacy in his own garden. Sanitary accommodation has been subdivided so that it is readily accessible both from the classrooms and the playground. Direct access to the playground has been arranged from all classrooms in the infants' department.

CONSTRUCTION. — The construction will be steel framed with 11-in. cavity panel walls. The floors and roofs will be precast cellular concrete units. Internal walling will be brick and clinker block. The flat roofs will be insulated with a vermiculite concrete screed and finished with a built-up three-layer bituminous felt roof.

EXTERNAL FINISHES. — The treatment of elevations will be in brickwork with stone dressings to certain windows and the halls on the street frontages. The stanchions supporting the first floor hall will be encased with polished granite. The stanchions on the classroom elevation will be encased in a metal trim. A sculptured stone panel is included in the design of the end wall of the infants' assembly hall.

INTERNAL FINISHES.—Classrooms : Plastic tile flooring, wood skirting, cement glaze dado. Walling : plastered and distempered.

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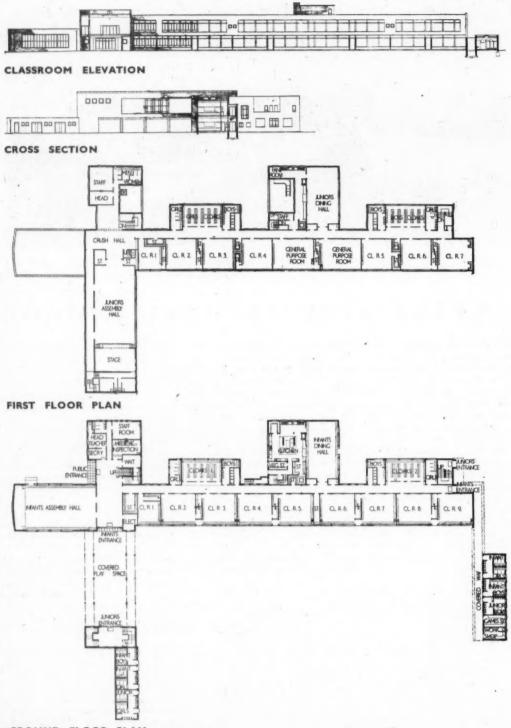
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GROUND FLOOR PLAN

[Scale : "=1'0"]

SCHOOLS FOR

Ceilings will include acoustic tile panels. Corridors: plastic tile flooring, wood skirting, cement glaze dado. Walls and ceilings: plastered and distempered. Ceilings will include acoustic tile panels. Staircases: main staircase in terrazzo, others in granolithic, cement glaze dado. Walls and ceilings: plastered and dis-

tempered. Main entrance hall: terrazzo floor. Walls and ceiling: plastered and distempered. Assembly halls: hardwood strip flooring. Walls: plastered and painted. Ceilings: plastered and distempered and to include acoustic tile panels. Staff rooms: plastic tile flooring, wood skirting. Walls and ceilings: plastered and distempered. Kitchen and servery: quarry tile flooring and coved skirting, glazed tiled dado. Plastered and painted walls and ceiling. Dining rooms: plastie tile flooring, wood skirting, walls plastered and painted. Cloakrooms, lavatories, drying rooms: granolithic flooring with coved skirting, high cement glazed dado. Walls

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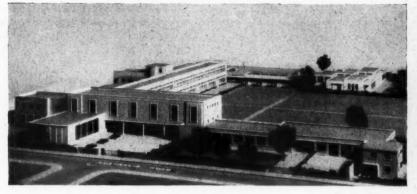
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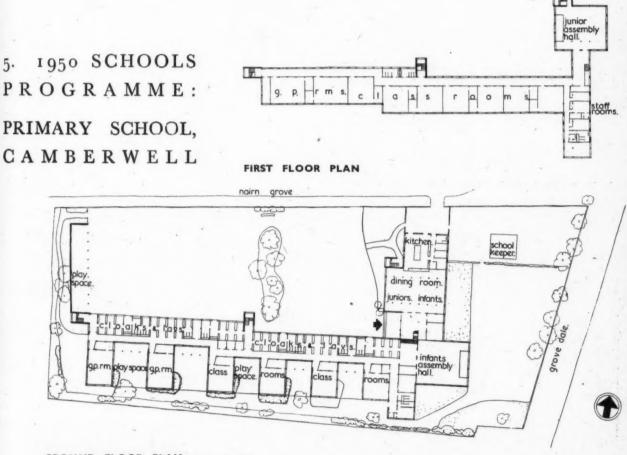
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to ceiling plastered and distempered. W.C. compartments will be in metal-faced plywood. Cleakroom. hat, coat and shoe racks will be in tubular metal. Special drying rooms are provided to deal with wet clothing.

SERVICES. — Heating by lowpressure hot water radiators supplied from coke-fired boilers. The assistant architects were R. S. Skilling, W. H. Allen, E. J. Blyth, A. J. Christopherson, A. C. Hudson, E. E. Hollamby, E. O. Thomson.



From the west.



#### GROUND FLOOR PLAN [Scale : 10"]

GENERAL. — The five projects illustrated are part of the first group of the 1950 building programme. All are planned on the standard 8 ft. 3 in. grid using a light steel structural frame. It will be noted that the system of a basic grid with standard prefabricated structural units has been sufficiently flexible for the

.

production of a wide variety of plan shapes to suit varying and restricted sites. The 8 ft. 3 in. grid on which the structure of these schools is based is the one recommended in the Wood Report of 1944 and the steel manufacturers have plant available to produce a structural frame of this dimension. In practice it has been

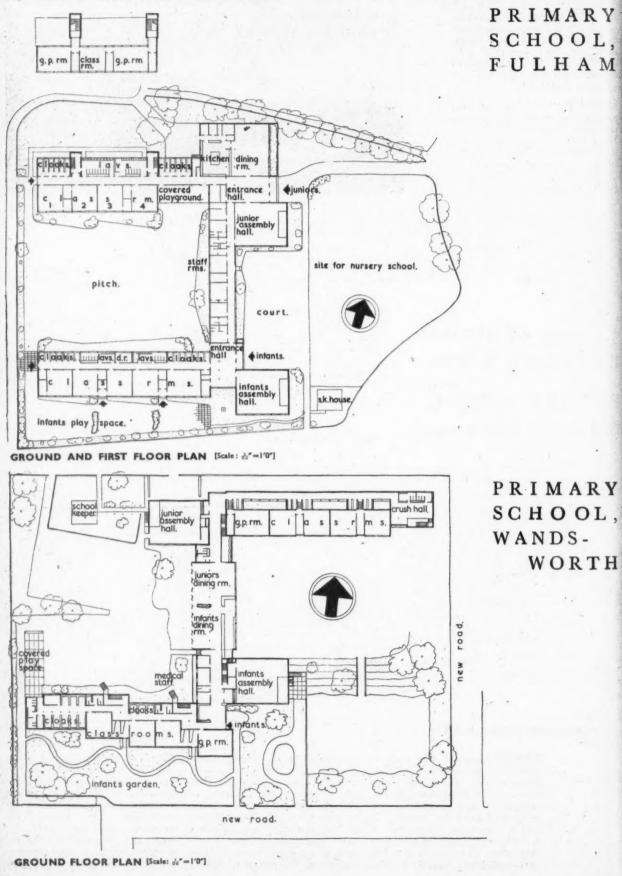
H .

proved satisfactory for the planning of infants' and nursery schools, such as the five examples illustrated. This type of system also has the advantage of allowing the building to be extended in all directions, and can easily be adapted by the use of stanchions, of various lengths, to allow changes in floor and ceiling levels. Also, as

MATTHEW

ARCHITECT

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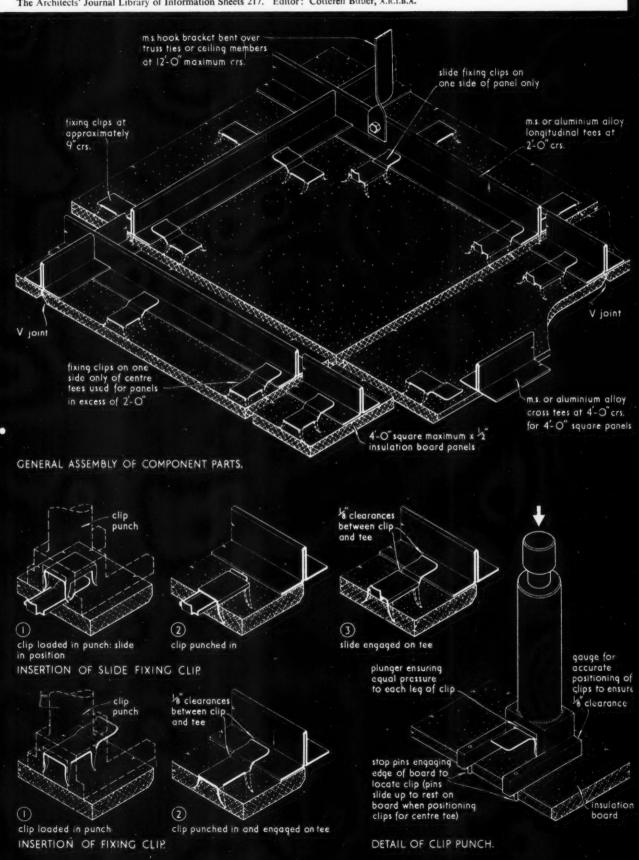
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### CEILINGS BUILDING BOARD

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ANDERSON SECRET SYSTEM OF BOARD FIXING.

22

22.DII =

#### 22.D11 ANDERSON SECRET SYSTEM OF BOARD FIXING FOR SUSPENDED CEILINGS

This Sheet describes a system of board fixing for suspended ceilings in which all fixing members are concealed behind the ceiling face. The suspension and jointing members are of mild steel or aluminium alloy tee section positioned above the building board which is fixed with specially designed pronged clips. The panels are adequately supported, but all that is seen from below is the surface of the boards with V joints.

#### **General System**

The system utilises specially designed steel clips, each of which has four pointed legs, with a "set," which, when driven into  $\frac{1}{2}$  in insulation board with a special punch, splay outwards and do not penetrate through the exposed face of the board, but form a secure anchorage. There are two kinds of clip, a fixed type, which is used on three sides of each panel at intervals of not more than 1 ft. and a sliding type, which is used on the fourth side of each panel to facilitate fixing, and is easily operated by hand over the web of the tee. Panels are not usually formed in excess of 4 ft. square. When they are greater than 2 ft. in any one direction the clips are inserted down the centre line, thus securely fixing each board at this point. *Punch and gauge*: The clips are inserted with a punch, specially designed for the purpose, which ensures that equal pressure is applied to each leg of the clip, thus obtaining an equal splay. The gauge is attached to the punch, and operates in such a way as to ensure that the leading edges of the clips are free to move with the board, thus obviating buckling from possible expansion when the ceiling is in position.

Compiled from information supplied by :

Anderson Construction Company, Limited.

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		braces h	4						e cone	CITING 1	sale concentric loads in tons for effective heights	IOL SUO	clecin	ve nergi						
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4°x4" □	n× U	1-0		2.70 2.57		2.46 2.36 2.25	2.25	2-13	2:01	16.1	1-79	1-79 1-67	1.56	1-56 1-45 1-34		1-23	1-12	1-03 0-95 0-88	- 56-0	0.88
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10″x 4″	×	1'-6"	2.62	2.62	2.62	2:62 2:62 2:62 2:62 2:62	2.62	2.62	2.62	2.62	2.62 2.62 2.62 2.62 2.62 2.62 2.61	2.62	2.62		2.52	2.52 2.44 2.35 2.29	2.35	2.29	2.19	2.12
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7×4° C		.0-,1		5.20	5-20 5-20 5-20	11·S	5:01	4.91	4.80	4-57	4.36	4-13	3.92	3.69	3.48	3.26	3.04 2	2.83	2-61	2.40
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10°x4"	x	1'- 6"		4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4-40	4.40	440 440 440 440 440 440 440 440 440 440	1.40	440	4-29	4-15 4	4.02 3.84	3-84 7x 4" and 10x 4" columns
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×	0.72 0	070 0.65 0.61 0.56 0.51 0.46 0.41 0.3	19.0	0.56	0.51	0.46	0.41	0.36	0.26	0.20	6 0.26 0.20 016 013	0.13					A	*	2.	B
8	1-43 1-43		1.37 1.28	61-1	011	IO.1	0.92	119 110 101 0.92 0.83 0.74 0.50 039	0.74	0.50	0.39		0.26 0.22	D-22			+	c 7 d	t	ZI-+ 6
U	1-43 1-43	43 1-36	1.36 1.27 1.17 1.08 0.98 0.89 0.79	111	1-08	0.98	0.89	0.79	0.61	0.61 0.46 0.37		030	0.25 0.20	0.20			e +		× ×	,
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SIMPLE (	COLUMNS		PUNCHED EXTRUSION	D EXT	RUSIC	ŻŻ											COLU	I NWI	YPES /	COLUMN TYPES AND SPACING OF BRACES.
column						safe	safe: concentric	1	ds in 1	ons for	oads in tons for heights between braces h	betwee	1 brace:	h h						
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A	1-30	1-21 1-10 0-99 0-88 0-78 0-68 0-56 0-4	0.99	0.88	0.78	0.68	0.56	0.47	0.40	0.35	7 0.40 0.35 0.30 0.27 0.21 0.17	0.27	0.21	11.0						
8	2.60 2.6	2.60 2.60 2.50 2.34	2.34	2.18	2.02	2.18 2.02 1.85 1.69 1.52	1.69	1-52	1.36	1.20	1·04	0.92	0.72	1:20 1:04 0:92 0:72 0:59 0:49	0.49	0.41 0.35	0.35 O	030 026 023	7.26 C	0.23
υ	2.60 2.	2.60 2.57 2.40 2.22 2.04 1.85 1.68 1.49 1.31	2.22	2.04	1.85	1-68	1.49		1.14	0.98	0.85	51·O	65.0	0.98 0.85 0.75 0.59 0.48 0.40 0.33 0.28 0.24	0.40	0.33 C	0.28 C	0.24		
0	3.90 3.0	3.90 3.90 3.70 3.40 3.14 2.88	3.40	3.14	2.88	2.62	2.62 2.36 2.IC	-	1.84	1-59 1-39	1.39	1.22	96 C	0.96 0.78 0.64 0.54 0.46 0.40 0.35 0.30	0-64 0	0.54 C	0.46 O	-40 O	1.35 O	0.30

**COMPLETE STRUCTURES** PREFABRICATED LIGHT ALLOY The Architects' Journal Library of Information Sheets 218. Editor: Cotterell Butler, A.R.I.B.A. 25.A5 S

#### 25.45 · KEYLOCK · SYSTEM OF CONSTRUCTION : LATTICE AND SIMPLE COLUMNS : SAFE **CONCENTRIC LOADS AND PROPERTIES**

This Sheet is the fifth of a group describing the Keylock system of connecting standard structural elements to form a flexible range of building components.

The tables on the face of this Sheet give the safe concentric loads for columns built up from the standard elements.

The tables below give the properties of the column sections.

The safe loads and properties for beams will be given in a subsequent Sheet in this series.

#### Lattice Columns : Punched and Unpunched Extrusions

The upper two tables on the face of this Sheet give the loads for effective heights of latic columns. It has been left to the designer to assess the end conditions in any particular case. The following are suggested values which may be used :-

(a) Column rigidly fixed at both ends against rotation and displacement.

Effective length = 0.75 actual length.

(b) Column rigidly fixed against displacement at both ends and against rotation at one end.

Effective length = 0.875 actual length.

(c) Column fixed against displacement at both ends. Effective length = actual length.

Lattice Columns : Sectional Properties

Values to the left of the heavy full line are governed by a limiting stress of 11,200 lb./sq. in. for local buckling at the free edge of the channel. Values to the left of the heavy dotted line are obtained from the critical stress in the individual channel sections.

P

Values to the right of this line are obtained from a critical stress for the column as a whole.

#### Simple Columns : Punched and Unpunched Extrusions

The lower two tables on the face of this Sheet give the loads for simple columns which vary with the height between bracings. The lower right-hand table gives the centres of gravity of these columns.

The columns will, with few exceptions, be braced several times in their height and consequently the section between braces approaches a fixed ended column. End sections will also be rigidly fixed to foundations or beams.

An effective height equal to  $\frac{3}{4}h$  has therefore been used to

All effective height equal to  $\frac{1}{2}$  in his therefore over user to compile these tables. Values to the left of the heavy full line are governed by a limit-ing stress of 11,200 lb./sq. in. for local buckling at the free edge of the channel. Values between the heavy lines have been obtained from a short column formula. Values to the initial of the heavy heatan lines have been obtained from a long right of the heavy broken lines have been obtained from a long column formula.

Properties of the sections given are in inches and inch units.

Punched	Weight per ft.	Effective area	Moments	of inertia	Radii of	gyration	Moduli o	of section
column size	(lb.)	(sq. in.)	Axis $x - x$	Axis y - y	Axis x-x	Axis y-y	Ax's x-x	Axis y-y
4 in. × 4 in.	1.60	0.5712	1.579	1.377	1.661	1.550	0.789	0.685
7 in. $\times$ 4 in.	2.00	0.5712	5.649	1.377	3.14	1.550 ,	1.615	0.685
10 in. $\times$ 4 in. : h = 1 ft. 0 in.	2.20							
h = 1 ft. 3 in.	2.05	0.5712	12.271	1.377	4.63	1.550	2.454	0.685
h = 1 ft. 6 in.	1.95							
Unpunched	Weight per ft.	Effective area	Moments	of inertia	Radii o	f gyration	Moduli o	f section
column size	(lb.)	(sq. in.)	Axis $x - x$	Axis y - y	Axis x - x	Axis y - y	Axis $x - x$	Axis y-y
4 in. $\times$ 4 in.	1.80	1.04	2.87	2.5	1.66	1.55	1.435	1.25
7 ia. $\times$ 4 in.	2.20	1.04	10.3	2.5	3.14	1.55	2.95	1.25
10 in. $\times$ 4 in. : h = 1 ft. 0 in.	2.40							
h = 1 ft. 3 in.	2.25	1.04	22.35	2.5	4.64	1.55	4.47	1.25
h = 1 ft. 6 in.	2.15				1			

Simple Columns : Sectional Properties

Punched	Weight per ft.	Effective area	Moments of	of inertia	Radii of	gyration	Moduli o	f section
type	(lb.)	(sq. in.)	Axis x - x	Axis y - y	Axis x-x	Axis y-y	Axis x - x	Axis y-y
A	0.255	0.1428	0.018	0.022	0.354	0.391	0.029	0.044
B	0.510	0.2856	0.044	0.076	0.391	0.515	0.087	0.076
С	0.510	0.2856	0.041	0.094	0.378	0.574	0.073	0.089
D	0.765	0.4284	0.063	0.276	0.384	0.803	0.117	0.184
Unpunched	Weight per ft.	Effective area	Moments of	inertia	Radii of	gyration	Moduli of	section
type	(lb.)	(sq. in.)	Axis $x - x$	Axis y-y	Axis x - x	Axis y-y	Axis x - x	Axis y-y
A	0.281	0.2598	0.023	0.040	0.30	0.394	0.037	0.081
B	0.562	0.5196	0.081	0.116	0.394	0.278	0.161	0.116
С	0.562	0.5196	0.066	0.161	0.356	0.557	0.116	0.150
D	0.843	0.7794	0.107	0.475	0.371	0.781	0.197	0.317

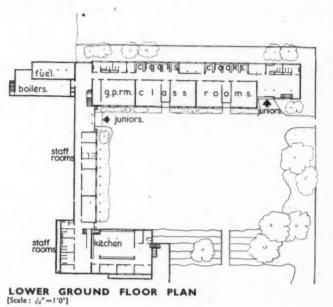
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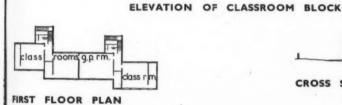
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#### PRIMARY SCHOOL, WANDSWORTH



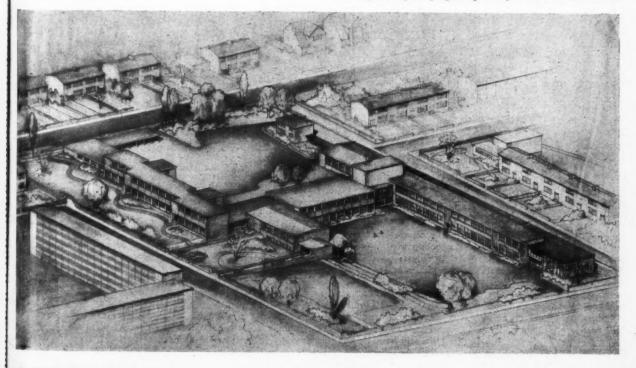
the walls and cladding are independent of the frame, the materials used could be varied. The structural system, normally used only for single-storey buildings, has also proved to be satisfactory for twostorey work. In-situ brickwork is restricted to staircase blocks and linking units. The plans themselves show various methods of classroom planning, including the normal closed single-banked corridor, the open single-banked corridor, the "elbow" plan and twofloor staircase access. It is possible with the standard grid to produce satisfactory plans for almost any normal site, and the system has the approval of the Ministry of Education.

CONSTRUCTION.-In selecting materials there are several important considerations : suitability of the material and ease of erection, availability of the material and The light steel structural cost. frame, external cladding, precast



CROSS SECTION

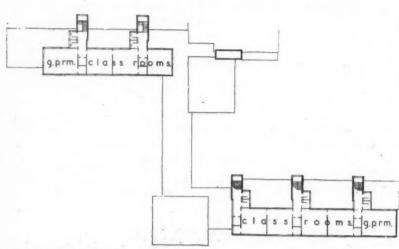
Perspective of the proposed primary school at Wandsworth.

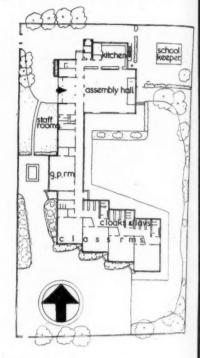


ARCHITECT ROBERT H. : MATTHEW

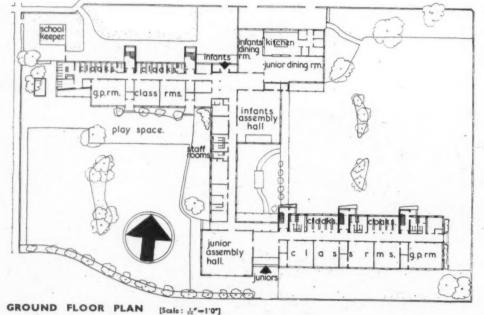
#### PRIMARY SCHOOL, G R E E N W I C H

### PRIMARY SCHOOL, ELTHAM





FIRST FLOOR PLAN

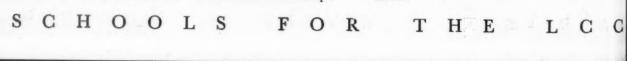


floor and roof units, metal doors and windows have been developed from the original standard units to meet the Council's requirements for these schools. The external concrete slabs are supported by steel members and the internal wall of light-weight concrete blocks is fixed separately to the frame.

FINISHES.-Roofs, 2-in. foamed

slag insulation under built-up felt roofing with V-jointed fibre board to soffits. Walls, plaster finished with paint and glazed cement dados. Internal casing to stanchions, aluminium trim. Classroom and assembly hall floors, granwood, corridors and staff rooms, plastic tiles. Classroom walls will have cork pin-up panels, with aluminium cover strips. SERVICES.—Heating by floor coils or warm air units under windows.

The assistant architects for the school building programme are A. W. Stringer, D. R. Stark, J. M. Kidall, S. J. Follett, C. Wooster, Miss M. Claridge, A. W. Strutt. Consultant architect : J. Howe.



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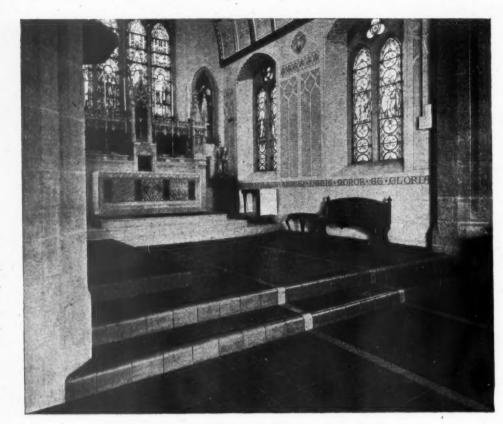


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Sanctuary Steps in the Church of Our Lady and St. Joseph, Prescot, Lancashire.

Architect : W. Ellis, Esq., J.P., F.R.I.B.A.

# SEMASTIC DEGORATIVE TILES

A church presents a peculiar flooring problem. The perfect surface must combine resistance to wear with a fitting dignity and beauty of appearance, quietness to the tread with unusual acoustic properties. Such a floor surface is provided by Semastic Decorative Tiles. The tiles are warm underfoot, resistant to staining and to rising damp, and are remarkably easy to maintain. In the church illustrated above, the existing sub-floor of worn boards and flagstones was first levelled with a special fleximer underlay. The architect's design has made full use of the Semastic range of decorative colours. In the sanctuary and the area within the communion rails a gracious green, broken by buff strips, has been used. The main body of the church has been tiled in warm red with a narrow black surround, and the buff motif of the sanctuary has been carried over into the aisles.

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A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

#### INFORMATION CENTRE

I SOCIOLOGY. 2 PLANNING : General. 3 PLAN-NING : Regional and National. 4 PLANNING : Urban and Rural. 5 PLANNING : Public Utilities. 6 PLAN-NING : Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN : General. 10 DESIGN : Building Types. 11 MATERIALS : General. 12 MATERIALS : Metal. 13 MATERIALS : Timber. 14 MATERIALS : Concrete. 15 MATERIALS : Applied Finishes, Treatments. 16 MATERIALS : Miscellaneous. 17 CONSTRUCTION : General. 18 CONSTRUCTION : Theory. 19 CONSTRUCTION : Details. 20 CON-STRUCTION : Complete Structures. 21 CONSTRUC-TION : Miscellaneous. 22 SOUND INSULATION-ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHT-ING. 25 WATER SUPPLY, SANITATION. 26 SERVICES EQUIPMENT : Miscellaneous. 27 FURNITURE, FIT-TINGS. 28 MISCELLANEOUS.

#### 2.101 planning: general MICRO-CLIMATE AND PLANNING

The Influence of Micro-Climate on Planning. W. E. Graham. (Planning Out-look, Vol. 1, No. 2, 1949. pp. 40-52.) Illustrated extracts from a town planning diploma thesis, University of Durham. Attempt to evaluate relation of microclimatology to town and country planning. After giving a short historical outline of the subject the author defines and discusses various factors influencing micro-climate such as topography, prevailing winds, areas of water, and soil conditions. He then in-vestigates the effect of micro-climate on built-up areas and vice versa, and stresses the need to recognize micro-climatology as a complete subject for planning surveys and not merely to deal with some aspects of it as is customary today.

Of the accompanying diagrams two are of particular interest in regard to new town of particular interest in regard to new town planning. The first shows an assessment of site values based on prevailing micro-climatic factors, while the second provides a diagrammatic layout plan for a new town incorporating the principles of micro-climatology as discussed in the article.

#### 3.20 planning : regional and national TAY VALLEY REPORT

The Tay Valley Plan, being a Physical, Social and Economic Survey and Plan for the Future Development of East Central Scotland. G. E. Payne. (East Central Scotland Joint Planning Committee, Dun-dee. 1949. Not priced.)

Most comprehensive document consisting of two volumes of duplicated typescript. Illustrated with tables, charts and some diagrams. No maps.

This extensive regional survey and plan for the valley of the river Tay is intended to form a background for urban and rural reconstruction, physically, socially and economically, which should take place over the next thirty to fifty years if the region's trends towards "rural decadence and urban concentration" are to be re-versed. The proposed programme of re-construction has been so designed that it will fit in with the separate development plans to be worked out by the area's various planning authorities under the Town and Country Planning Act, 1947. The survey, divided into ten detailed sections, covers the historical background, geological and climatic conditions, land-scape characteristics, population structure to form a background for urban and rural

scape characteristics, population structure and trends, the industrial and housing background, rural land use pattern, socio-logical conditions, accessibility, and lastly public utility services.

#### Historical Background

Historical Background The Tay Valley region, as investigated by the author, has Dundee and Perth as its main centres, and covers the counties of Angus, most of Perthshire, the Mearns of Kincardineshire and Northern Fife, with a total acreage of 2,500,000. Geographically the area is linked together by the Firth and upper reaches of the river Tay, and by the long fertile valley of Strathmore. It is enclosed by highland areas to the north, south and west, and by the sea to the east. With the development of com-munications, towns, trade and industry, this natural region grew eventually into an region grew eventually into an ic unit. The historical survey traces natural economic unit. economic unit. The historical survey traces this development from prehistoric times, drawing attention to the growth of the linen industry by the second half of the eighteenth century, the work being carried on largely in rural districts with the burghs serving as markets. While this industry grew, it became gradually concentrated mean in the toward of the rural more in the towns and less in the rural districts until, with the advent of the steam districts until, with the advent of the steam engine, factories became centralized, depending more and more on imported raw materials. This left the rural industry isolated and forced it to turn to food pro-With the rapid population in-ring the early part of the induction. crease during the early part of the in-dustrial period, a marked drift of rural surplus population to the towns set in, surplus population to the towns set in, continued over a long period and eventually seriously threatened the whole basis of rural life. During the later part of the industrial period Dundee increased its size by five times between 1820 and 1900. became the chief port of the region and attained great wealth and importance with the development of the jute industry. As a one-industry town, however, the later one-industry town, however, the decline and fluctuations of the jute industry while the larger towns of the pite industry had serious effects on the town's economy. While the larger towns absorbed most of the tremendous population increase, the population of the smaller towns and rural areas remained static. The original rural "cottage" industry disappeared entirely, and cultivated land was split up into large tenant farms. Although there was an extenant farms. Although there was an ex-ceptionally prosperous agricultural period between 1840 and 1880, the import of cheap food began to have its effect at the end of the nineteenth century. Other aspects covered in the historical survey refer to architectural and cultural develop-Other ments, and include a note on the typical tenement buildings of the bigger Scottish towns and their grim appearance. Although

these buildings, through their height and compactness, have largely prevented an urban sprawl into the surrounding countryside, they represent a serious problem in that having long outlived their usefulness as fit dwelling places they are still mostly structurally sound.

structurally sound. In presenting this detailed historical survey the author stresses the point that it provides the preliminary outlines on which a plan for future development should be hased.

#### **Population Tendencies**

The following chapter is devoted to a The following chapter is devoted to a study of the region's population charac-teristics and trends. The 1931 population figure is 377,751, and it is shown that the main problem consists of the drift of population from rural areas and the smaller burghs to the larger urban centres and one when the again a larger with a state when when the state of the again of the state when the smaller burghs to the larger urban centres and one when the again of the state when the state of the sta and away from the region altogether, which has produced an unbalanced age and sex composition.

#### Industrial Background

In the industrial survey attention is drawn to the fact that practically three-quarters of the region's industry is concentrated on Dundee, the chief jute manufacturing centre in the British Isles. Distribution of industry in the other areas is also fully covered, the investigations leading to the conclusion that the major industrial problem consists of the need for a greater variety of light industries and their better dispersal throughout the region.

#### Housing Survey

Housing Survey There are many references to housing difficulties facing industrialists by the absence of sufficient living accommodation for workers within reasonable travelling distance of the factories. Other housing aspects investigated include overcrowding to number of rooms occupied, and it is obvious that here the chief problem con-sists of the preponderance of dwellings too small in relation to family size. The actual housing survey covers the region's towns and villages in detail and describes the state of the dwellings under three different categories of standards.

#### Rural Land Use Pattern

Much space is devoted to the region's rural land use pattern. The problems fac-ing agriculture result mainly from changes due to the introduction of new methods and increased mechanization, and from lack of sufficient labour, adequate housing, and public and social services.

#### Sociological Conditions

The social survey covers every aspect of living. It applies Sir Patrick Geddes' principle of the correct balance and integration of work, folk and place, to the study of the social needs of the region, and deals with the tendencies of young people leaving school in regard to employment possibilities; with the influence of the urban centres; with the adequacy of communications in rural areas; the extent of the provision of social facilities and public utility services; and finally gives a comparative analysis of all the various factors which influence the social conditions of the countryside in order to indicate those for which there is the greatest demand. This survey is based on a division of the region into ten groups of rural centres, each of which possesses a fairly distinctive social and physical unity. There are three specific groups of these centres, major ones such as Dundee and Perth, the smaller local service centres and thirdly, a still smaller type concerning the larger villages in the region.

#### Other Survey Aspects

The last two chapters of the survey deal with communications, with water and

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power supply and their trends of development, and with sewerage.

#### Regional Planning Proposals: Objectives

The second volume of the report is entirely devoted to the plan for the region. It consists of two major parts, the first setting out the main objectives and principles of the proposals, the second giving conclusions and specific recommendations. There are nine tabulated appendices containing much interesting statistical data relating to the survey part of the report.

The main objective of a successful plan for the region must be to reverse the drift of population from the rural areas. Although this is primarily an economic problem it is also closely linked with social and physical considerations. A long-term plan for the redistribution of population should be started as soon as possible. The absorption of additional industries into the region should be encouraged, but it will be necessary to ensure that such industrialization will not attract further workers from the land and will not take high quality agricultural land permanently out of production. The introduction of such industries into small towns and rural areas should take due account of local sources of employment, and it is suggested that some towns or villages should have a speedy increase in size from 10,000 to 25,000 population with accompanying services.

The pattern of settlement to be adopted is divided into three categories. Grade I, the regional centre, should provide major ser-vices such as first class shopping facilities; higher educational, cultural and recreational activities, major hospitals and health services; large-scale manufacturing industries, business and marketing facilities; and major hotels. Grade II, the district centre, with a population from 10,000 to 12,000, should erve the surrounding rural area in regard is anopping and entertainment. It should be equipped with one or more secondary schools, a medium-sized hospital, a welfare and maternity centre, agricultural and cattle markets, general medium industries and business, some cinemas, and hotels. Grade II is divided into two categories compris-ing the *urban village centre*, with a popula-tion in general up to 2,000 and an occasional increase up to 3,000, and the glen centre of smaller size. The urban village centre should have primary educational facilities, a village hall and small lending , a health centre, small shops and industries. Glen centres should be library. developed with a special function in relation to the dispersed population of the high-and areas, with basic services similar to those of the urban village centre and with industries confined to those associated with forestry and agriculture. Diagrammatic layouts of the three grades of settlement are provided.

The author then goes on to discuss the principles of the future composition of the towns and the principles which should govern the location of general industry with particular reference to the accessibility of industrial sites, the availability of labour, and the establishment of trading estates. The location of rural industry is defined separately indicating industrial qualifications for rural settlements, possible and desirable industries for rural areas, and listing those industries which have been provisionally selected for rural dispersal.

Other planning principles outlined include those for agriculture, road transport, recreational facilities, housing and public services. They are followed by specific planning proposals for the region based on the objectives detailed in the foregoing section.

The absence of maps and of an index from the present edition of the survey and plan is an obstacle to the study of the work as

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a whole, and it is to be hoped that a final edition in book form of this most valuable report will eventually be made available.

#### 15.64 materials: applied finishes and treatments PAINTING ON PLASTER

Painting New Plaster and Cement. Ministry of Works Advisory leaflet No. 1, 1949. (Distribution through Building Trade organisations and Technical Colleges.)

Chief points leading to failures and recommendations for avoidance or cure. Brief and simple. Intended for small builders, foremen and craftsmen. There has been much talk of the failure

There has been much talk of the failure to convey to the building industry quickly the results of research, and various committees have advocated that the National Building Studies should be supplemented by simpler practical publications for the craftsmen and small builders. This leaflet is the first of a series planned by the MOW as an answer to this demand.

The information included appears to be about what is wanted, but the make up and type used for two large tables does not provide an attractive or easily read page. As the success of these leaflets will depend so much upon their having an immediate appeal to encourage reading, this point seems important.

This leafter is being distributed free, through builders' organizations, and some others to follow will also be free. It is said that payment will be asked for some later issues. Architects might well help the good work by mentioning these leaflets to craftsmen and others during their site visits.

#### 23.117 heating and ventilation HOUSE HEATING

House Heating: Some Thoughts on Standards and Methods. S. F. Newcombe. (J. Royal Inst. British Architects. Aug., 1949. 2s. 6d.)

Article pointing out importance of providing satisfactory house heating at cost householder can afford, and suggesting means.

The author of this article quotes the statement in "Warm Air House Heating" in the RIBA Journal, June, 1949, that convection heating plus topping up, to Egerton Standards, is likely to be too dear for the working class tenant. He states that he is sure that it is so, and shows means of providing, the necessary comfort at a more reasonable' cost. In this connection, he properly points out the wide variations of opinion as to what "comfort" is. He points out the saving of 30 per cent. achieved by "alternative" heating in place of "whole house," a figure which would be improved upon when the occupancy of the rooms was less than the eight hours per day standardized for test purposes. He points out also, how widely variable are temperatures in this country, both over a short period of time and a limited area. In this respect, he emphasizes the rapid heat gain through windows in periods 'of sunshine, and the equally rapid heat loss through them at night, unless this is limited by careful curtaining.

From these factors, he adduces the need for heating of a more flexible kind than is usually provided. He recommends also, in the interests of economy, that only those rooms should be heated which are at the time actually occupied; and to achieve comfort in these conditions, he postulates the need for the following:— (1) Dry, damp-proof inner linings to all

 Dry, damp-proof inner linings to all internal surfaces of outer walls and roof.
 Some heat storage: e.g. in lagged hot

water cylinders and internal walls. (3) Closely controllable heating appliances, correctly sited and suited to the size of each room. He particularly emphasizes the importance of low thermal capacity, resistance to vapour penetration, and reflective value of the internal lining. Such a lining will become rapidly warmed from a radiant heat source, and comfort conditions be brought about within a few minutes of switching on the appliance. The possibility of making use of reflective surfaces, such as screens, to concentrate the heat on the occupants is observed.

TECHNICAL SECTION

Probably the chief argument against such a system is that the principal occupant of the house—the housewife—has to move from room to room, and might find the alterations of warm and cold zones trying: but there is so much in its favour, by way of economy, that a full scale trial would seem well worthwhile.

#### 25.74 water supply and sanitation GUTTERS AND PIPES

Asbestos Cement Rainwater Pipes, Gutters and Fittings. BS 569:1949. (British Standards Institution. 6s.)

Revised standard includes dimensions for half round and ogee gutters and a range of larger types, including valley and box gutters.

#### 26.58 services and equipment : miscellaneous POLYTHENE-INSULATED CABLES

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#### QUESTIONS AND ANSWERS

#### 3006 COST OF EXTRA WORK

Q My client ordered work over and above the original estimate without asking for an additional estimate. He has now been charged an exorbitant amount for this extra work. To what extent is my client legally liable to pay the full amount where a deadlock exists in which the builder refused to admit he has overcharged?

Am I within my rights, as an architect, to say what I think the work should have cost and advise my client to pay this and no more?

A Where work is ordered without an agreement as to the cost then the amount charged by the builder must be reasonable, having regard to the character of the work. The architect is entitled to express his opinion as to what the reasonable cost should be, and, in the event of disagreement, the matter could be referred to arbitration.

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#### Corrections

In our issue of October 13, in which we published particulars of a school at Romney Avenue, Bristol, designed by the City Architect to the Corporation of Bristol, Mr. J. Nelson Meredith, we referred to Richard Sheppard & Partners as consultant architects. It has been pointed out that the firm are consultant architects to the Bristol Aeroplane Company in the design of the school units, but that they do not share in the design of this school.

bisition Actoplane Company in the design of the school units, but that they do not share in the design of this school. In the same issue we wrongly implied that Mr. Cyril H. Walker had collaborated in the design of a block of flats, known as Crofts House, at Dinmont Estate, Teale Street, Shoreditch. It was, in fact, designed by Mr. G. E. Bright for the LCC, for whom Mr. Walker is the Director of Housing and Valuer.

### Buildings Illustrated

Horn Park Primary School (pages 460-462). Architects: Messrs. R. H. Matthew, Dr. J. L. Martin, R. Wilson, G. W. Home, K. J. Campbell. Assistant Architects: Messrs. T. Grierson, G. F. Horsfall, T. J. R. Winn, W. Martin, P. W. Dumpress. General Contractors: Thomas Tierney & Co. Ltd. Sub-Contractors: Excavation, foundations, D.P.C.'s asphalte, plumbing, water supply, Thomas Tierney & Co.; concrete blocks, Orlit Ltd.; bricks, Sussex & Dorking Brick Co., Lingfield Brick Co., Sevenoaks Brick Co., Dunbrik Ltd.; art stone, Wotton Bros, and Brooks Ltd.; structural steel, LCC and Arthur Foster Ltd.; roofing felt, William Briggs & Sons, Ltd.; glass, W. N. Froy & Sons, Ltd.; patent hooring, Veitch Co. Ltd.; gas fixtures, gas fittings, The South Eastern Gas Board; electric wiring, electric light fixtures, Thorpe & Thorpe Ltd.; sanitary fittings, B. Finch & Co. Ltd.; door furniture, N. F. Ramsey & Co. Ltd.; casements, Crittall Manufacturing Co. Ltd, and The Pennycook Patent Glazing and Engineering Co. Ltd.; metalwork and bells, G. H. W. Cashmore & Co.; plaster, Aerocem Ltd.; tiling, Orlit Ltd., and the Aroanum Terrazzo & Stone Co. Ltd.; school fittings, LCC; clocks Spaiths English Clock Ltd.; cold glaze cement, Palorit Ltd.; paint for exterior and interior use, Silexine Ltd.

Redriff Primary School, Rotherhithe Street (pages 463-464). Architects: Messrs, R. H. Matthew, Dr. J. L. Martin, R. Wilson, G. W. Home, K. J. Campbell. Assistant Architects: Messrs. A. W. Stringer, W. J. Smith, J. G. Cairns. General Contractors: William Harbrow Ltd. Sub-Contractors: Bricks, Uxbridge Flint Brick Co. Ltd.; structural steel. Astons Construction Co. Ltd.; roofing felt, Everseal Products Ltd.; patent flooring, Semtex Ltd.; central heating, Norris Warming Ltd.; gas fitting, Jones Martin Ltd.; electric wiring, Johnson Pearce Ltd.; ventilation, Ozonair Ltd.; plumbing, Ellis (Kensington). Ltd.; sanitary fittings. Dent & Hellyer Ltd.; door furniture, W. N. Froy & Sons Ltd.; casements and pressed metal, window furniture, Henry Hope & Sons Ltd.; rolling shutters, Shutter Contractors Ltd.; plaster, J. H. Jenner & Co. Ltd.; joinery, William Harbrow Ltd.; tiling, Vitretex (England) Ltd.; school fittings, LCC Supplies Department; cloakroom fittings, Clark Hunt & Co.; clocks, Smiths English Clocks, Ltd. The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to The Architects' Journal 9, 11 and 13, Queen Anne's Gate, S.W.1, and the advertisers listed will be asked to supply information direct.

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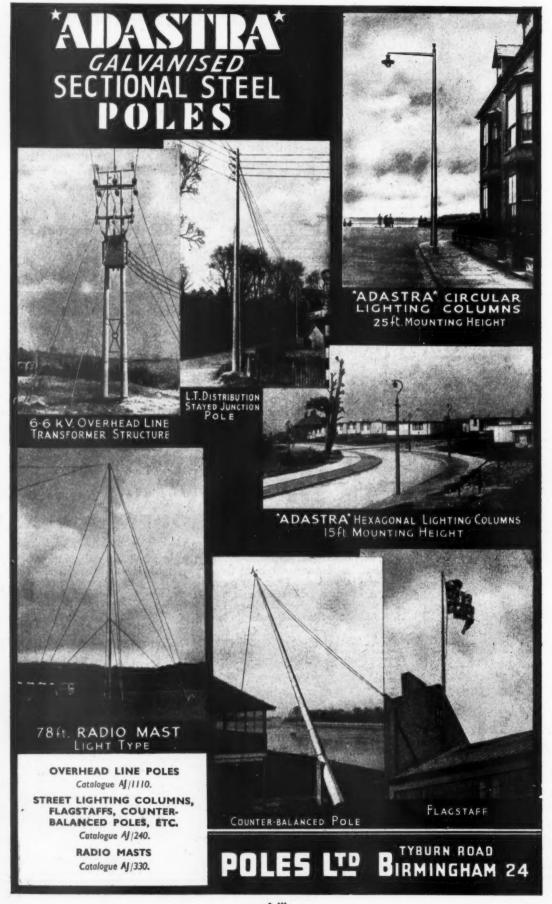
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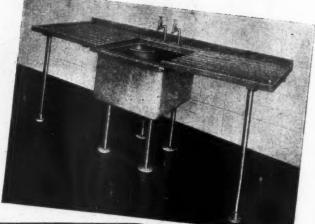
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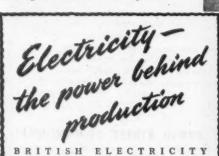
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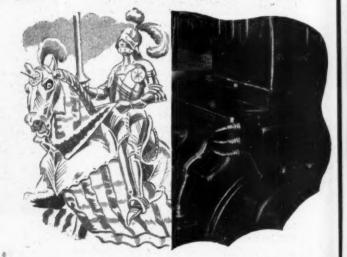
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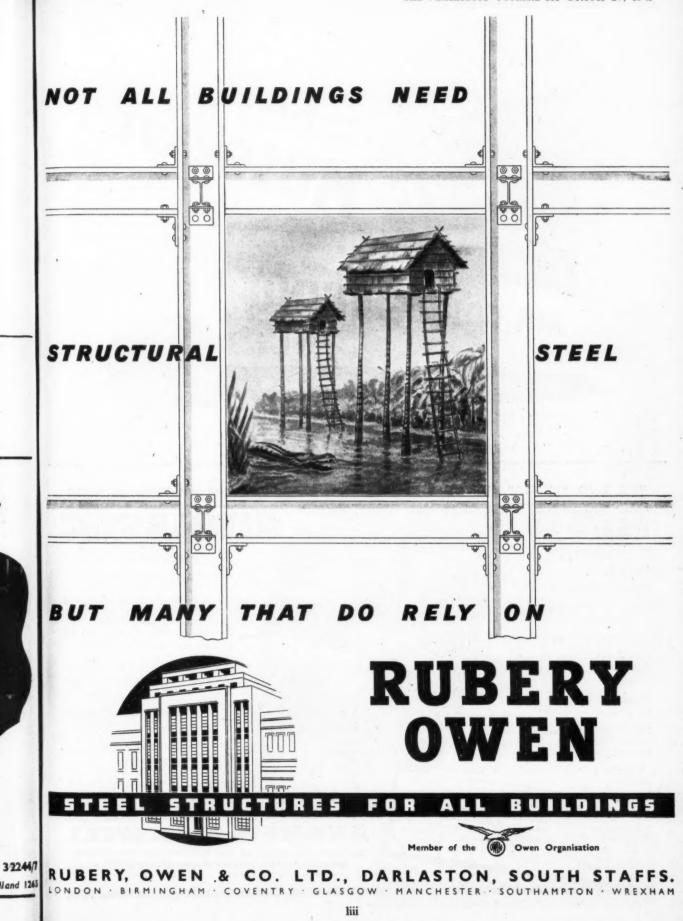




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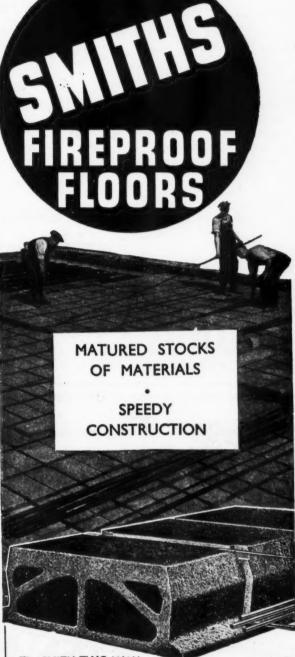
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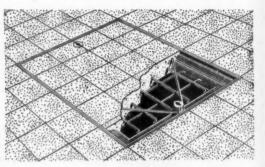
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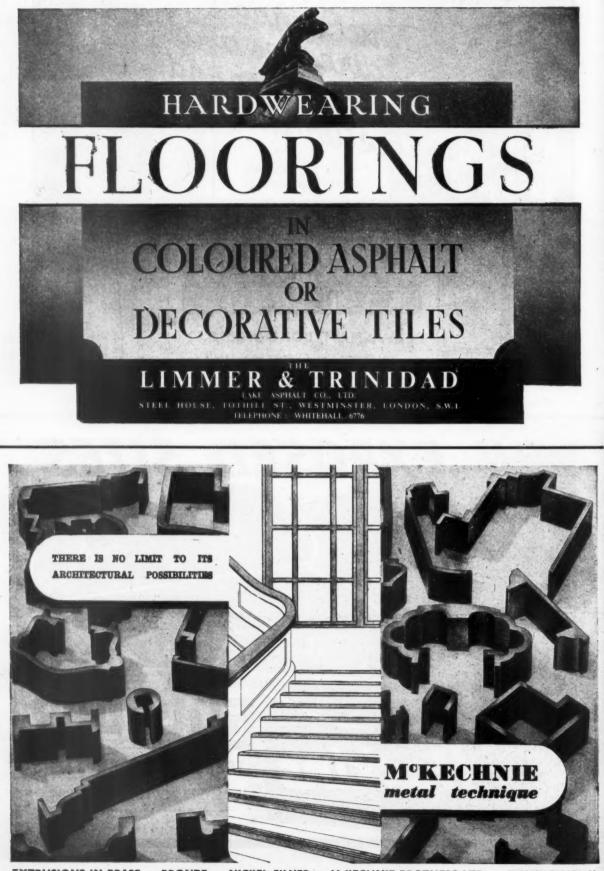
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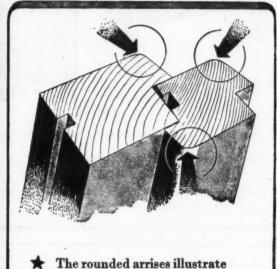
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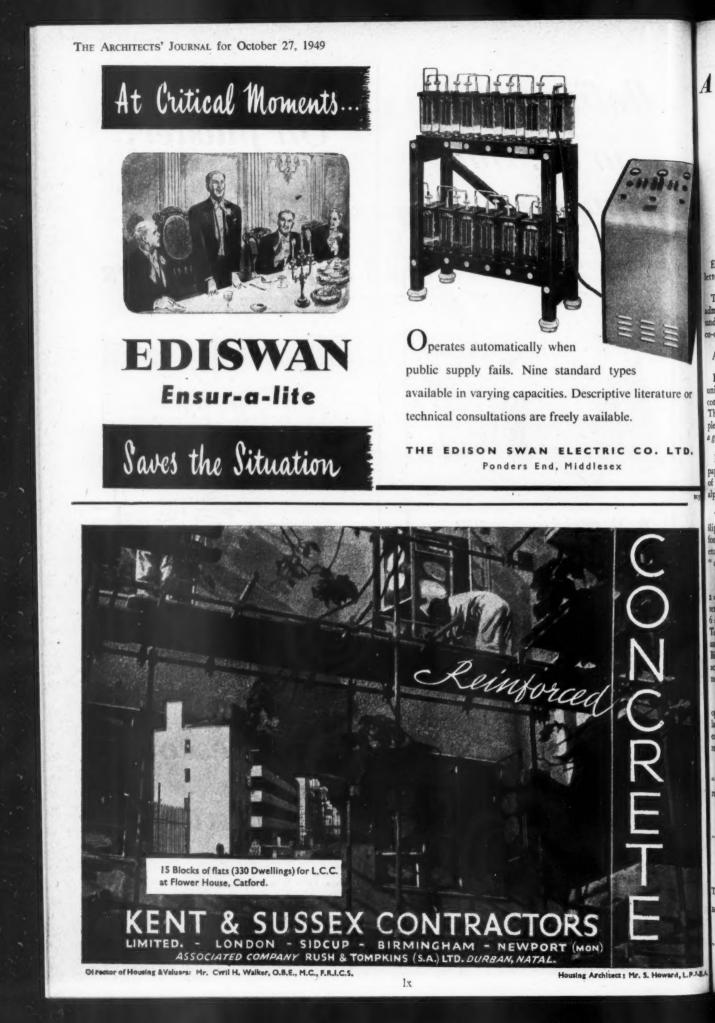
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As an example, these numbers could be coded thus: I = Enquiry;2 = Site surveyed; 3 = Site plans prepared; 4 = Sketch plans sent to client for approval; 5 = Client's approval received; 6 = Plans sent to Local Authorities for approval under Bye-laws, Town Planning, etc.; 7 = Approval received; 8 = Specification ad Bills of Quantity written up; 9 = Drawing, specification and Bills of Quantity sent to Contractors for Tender; 10 = Tender scepted; 11 = Building licence obtained; 12 = Work commenced.

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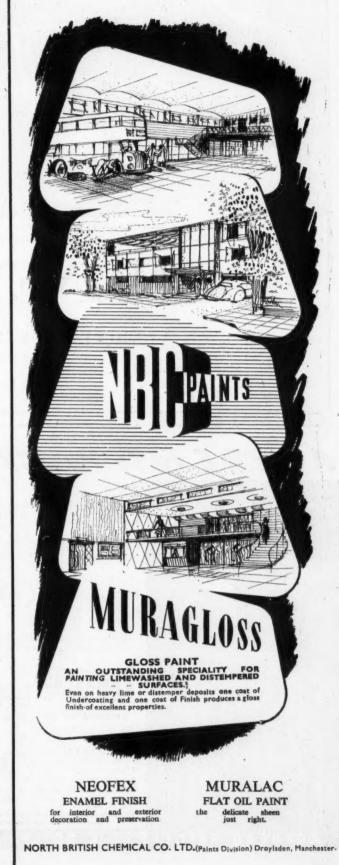
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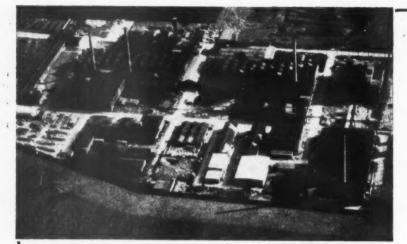


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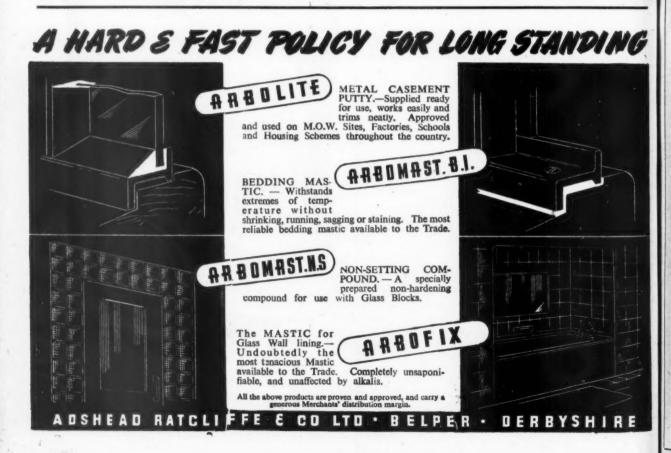
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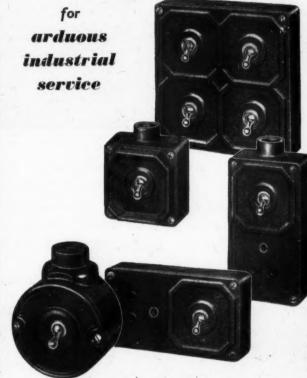
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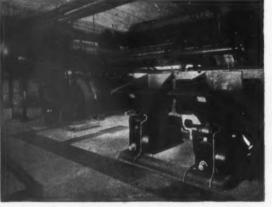




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required, and quote Ref. G.R.3). Canvasing dis-qualifies. (2269) [104] MINISTRY OF WORKS. There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS, with recognized training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Build-ings, including Atomic Energy and other Research Establishments. Telephone Exchanges, and Housing. Similar vacancies also exist for ASSIS-TANTS, with specialized knowledge and experi-ence in stonemasonry, particularly in detailing and jointing of ashlar and carved stonework. Balary : Architectural Assistants, 2500-2625 per succording to age, qualifications and experience. These rates are for London: a deduction is made in the Province. Though these are not established posts, some of them have long-term possibilities, and com-putitions are held periodically to fill established vacancies. Apply in writing, stating age nationality, full details of experience, and locality preferred, to Chief Architect, W.C.10/T. Ministry of Works. <u>bell House, Londons, Swn. 2005</u> THE CO-OPERATIVE WHOLESALE

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invite applications for the following appointments on the staff of the Manchester Architect's De-partment ASSISTANT ARCHITECTS. Salary E510-£625 per annum. Applicants are required to have a sound knowledge of building construc-tion and be able to produce working drawings and details from sketch plans. Experience in design and planning of modern industrial build-ings, or shopping emporis and retail shops, will be considered an advantage. ONE ASSISTANT STRUCTURAL ENGINEER. Salary £610-£710 per annum. Applicants are re-quired to have general experience in designing and detailing of structural steel, reinforced concrete and foundation works, and be able to work with a minimum of supervision. The above appointments are permanent and offer prospects of up-grading to competent Assis-tants. Successful candidates will be cequired to undergo a medical examination for entry into compulsory superannuation scheme. Applications, to be addressed to the Chief Architect, Co-operative Wholesale Society, Ltd. Balloun Struct, Manchester. 2004 Applications are invited for filling vacancies in the South-Eastern Regional Office at Tunbridge Wells.

in the South-Eastern Regional Office at Tunbridge Wells. MINISTRY OF WORKS DIRECTORATE GENERAL OF WORKS. ARCHITECTURAL AND ENGINEERING DRAUGHTSMAN, having had a full period of recognized training and experience in the pre-paration of drawings for good class building work. The work is varied and not confined to standard schemes. Starting pay will be assessed accord-ing to age, qualifications and experience within a scale rising to £495 per annum. Applications, stating age, present and previous appointments. training qualifications. etc., should be sent to the Assistant Regional Director (Administratioh), Ministry of Works, Government Buildings. Hawkenbury, Tunbridge Wells, Kent. 2485

BOROUGH OF WILLESDEN. APPOINTMENT OF ARCHITECTURAL ASSISTAN. Applications are invited for the appointment of an Architectural Assistant, on the Permanent Staff of the Borough Engineer and Surveyor's Department. Department.

sur arcnitectural Assistant, on the Permanent Staff of the Borough Engineer and Surveyor's Department. The salary attaching to the post will be Administrative, Professional and Technical, Grade VI, of the National Whitley Council's Scale for the London area, namely £595 per annum. rising by two annual increments of £20 per annum and one of £25 per annum to £660 per annum, plus London weighting of £30 per annum. Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have general knowledge and experience of architectural work in the service of a local authority. The appointment will be terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannua-tion Act, 1937, and the successful candidate will be required to pass a medical examination. Applications, giving age, experience, etc., accompanied by copies of not more than three testimonials, should be addressed to the under-signed, endorsed "Architectural Assistant," not later than 10 a.m. on Monday, 7th November, 1949. It will be necessary for the successful candidate to provide his own housing accommodation as the Council is not in a position to assist. Canvassing, directly or indirectly, will be deemed a disqualication. (Sgd.) R. S. FORSTER. Town Hall, Dyne Road, Kilburn, N.W.S.

(Sgd.) R. S. FORSTER. Town Hall, Dyne Boad, Kilburn, N.W.6. <u>5th October</u>, 1949. <u>NORFOLK EDUCATION COMMITTEE.</u> The Norfolk Education Committee invite Archi-tects resident in Great Britain to submit designs in Competition for a Connty Modern (Secondary) School at Hunstanton, to accommodate 455 (mixed) pupils.

Souto a function of the second state of the se

February, 1950. The premiums will be £500, £250, £150. Conditions of the competition may be obtained, on the payment of a deposit is returnable under the conditions governing architectural competitions, as issued by the Royal Institute of British Architects.

Architecta. As issued by the Royal Institute of British Architecta. W. O. EELL. Chief Education Officer. Stracey Road, Norwich. 2888 CAMBRIDGESHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. Applications are invited for the following appointments:-(a) PLANNING OFFICER. Grade A.P.T., Will (salary £682-6560 per annum). (b) PLANNING ASSISTANT. Grade A.P.T., Will (salary £682-6560 per annum). (c) PLANNING ASSISTANT. Grade A.P.T., Will (salary £682-6560 per annum). (c) PLANNING ASSISTANT. Grade A.P.T., Will (salary £682-6560 per annum). (c) PLANNING ASSISTANT. Grade A.P.T., Will (salary £640-2525 per annum). Candates for the Grade VI. Candates for the Grade Government Super-annual for the Around Government Super-annual for the appointments are subject into of Service and a medical examination. Appointments (with dates), qualifications, present salary and the names of two referees, should be even to the undersigned not later than the Stat WELLS PHYTHIAN. CHALLES PHYTHIAN.

Inclusive). Candidates should be experienced in colouring and tracing architectural drawings, and also be capable of setting up drawings from preliminary

capable of setting up drawings from the sketches. Application forms may be obtained from the Borough Architect, and must be returned to the undersigned not later than 1st November, 1949. R. H. JERMAN. R. H. JERMAN, Municipal Buildings, Wandsworth. S.W.18. 7th October, 1949.

HAMPSHIRE. Applications are invited for the following appointments on the established staff of the County Architect's Department: -SENIOR ENGINEERING ASSISTANT, for drainage and sewage disposal work. on Grade VI of the National Salary Scales (£595×£20×£25-0660)

drainage and sewage disposal work, on Grade Yi of the National Salary Scales (£555×£20×£25-2660).
 Candidates should be Chartered Civil Engineers or have equivalent qualifications, and should have had extensive experience of sewage schemes of all sizes gained through service with a Consulting Engineer or in the Main Drainage Department of a Local Authority.
 TWO SENIOE ASSISTANT ARCHITECTS. on Grade VI of the National Salary Scales (£595×£20×£25-£660).
 Candidates must be Registered Architects, preferably A.R.I.B.A., with experience in design and construction of public buildings, including schools.
 ARCHITECTIRAL ASSISTANT, on Grade TI of the National Salary Scales (£450×£15-£465).
 Candidates should be Studente R.I.B.A., with subject to the provisions of the Local Government Superannuation of Service, and will be terminable by one calendar month's notice on either side. In appointements to be obtained from the County Council are prepared to met a constant a other expenses.
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 Matable expensione.

G. A. WHEATLEY, Clerk of the County Council. 10th October, 1949.

lute October, 1949. 2432 SURREY COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the appointment of PRINCIPAL - ASSISTANT ARCHITECT, at a commencing salary of £800 per annun, rising by annual increments of £25 to a maximum of £900 per annual

annual increments of £25 to a maximum of £900 per annum. Applicants must be Members of the Royal Institute of British Architects, and should have had experience in the control of staff, the organization of work, and an adequate experience in the design and construction of modern build-

Control of the control of scale in the design and construction of modern buildings.
 The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful applicant will be required to pass a medical examination.
 Applications, stating age, qualifications and experience, and accompanied by copies of three controls.
 Applications, stating age, qualifications and experience, and accompanied by copies of three controls.
 Applications, stating age, qualifications and experience, and accompanied by copies of three controls.
 Applications, stating age, qualifications and experience, and accompanied by copies of three controls.
 Architect, Surrey County Council, County Hall.
 Kingston-upon-Thames, not later than the 5th November, 1949.
 Canvassing, either directly or indirectly, will disqualify a candidate from consideration.
 The Council will be unable to provide any housing accommodation, and the successful applicant will be expected to make his own arrangements in this direction.
 County Hall, Kingston-upon-Thames. 2430
 EAST SUPFOLK COUNTY COUNCIL.
 COUNTY ARCHITECTS BEPARTMENT.
 Applications are invited for the following posts in the County Architect's Department:— Cade "A ASSISTANT ARCHITECTS.
 AP.T., Grade VII. Consolidated salaries £635-210 per Annum.
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The commencing satary in this grade will be fixed according to the qualifications and experi-ence. Applicants must be Members of the R.I.B.A.-quick and accurate draughtsmen, capable of carrying a job through in all its stages, including sketch plans, working drawings, supervision of work in progress, as well as the administration work in connection therewith. They should have a sound knowledge of design and building con-struction, and should be capable of writing speci-fications. Office experience after school training or articles is essential. The work to be dealt with is that normally carried out by a Local Authority. The appointmest will be subject to one month's motice on either side and to the provisions of the Local Government Superannuation Act, 1937. The-successful applicants will be required to pass a medical examination. Applications, stating age, qualifications, and full details of previous experience, accompanied by copies of three recent testimonials, should be, sent to E. J. Symcox, F.R.I.B.A., County Archi-tect, County Hall, Ipswich, not later than 4th November, 1949. Canvassing, either directly or indirectly, will disqualify a candidate from consideration. Get C. LIGHTFOOT, Clerk of the Council. County Hall, Ipswich. October, 1949.

County Hall, Ipswich. October, 1949. 2455

BUCKS COUNTY COUNCIL. The County Architect invites applications from qualified ASSISTANT ARCHITECTS who possess a keen and energetic enthusiasm for their pro-fession. Candidates should preferably have been trained at a recognized School of Architecture. Salary Grade VI, £595-£660 p.a. Further particulars and form of application may be obtained from the County Architect. County Offices, Aylesbury, to whom they must be delivered by 11th November. 1949. 2456

BOROUGH OF BEXLEY. APPOINTMENT OF ENGINEERING AND ARCHITECTURAL STAFF. Applications are invited for the under-mentioned appointments in the Borough Engin-cer's Department — TECHNICAL ASSISTANT in the Building and Town Planning Section, within Grade A.F.T., IV. ARCHITECTURAL ASSISTANT, Housing and General), within Grade A.F.T., IV. ARCHITECTURAL ASSISTANT, within Grade A.F.T., II. II. each case London "weighting " — "

A.P.T., II. In each case London "weighting" will be paid in addition to the salary. Forms of application, with conditions of appointment, may be obtained from the Borough Engineer and Surveyor, Council Offices, Bexley-heath, to whom completed applications must be returned by noon, Saturday, 5th November, 1949. Canvassing, directly or indirectly, will dis-qualify. W. WOODWARD, Town Clerk. 2454

Town Clerk. 2464 CITY OF BRADFORD. CITY OF BRADFORD. CITY ENGINEER AND SURVEYOR'S DEPARTMENT. PAPOINTMENT OF TWO SENIOR TOWN PLANNING ASSISTANTS, GRADE A.P.T., VI. (a) Town Planning and Architectural. (b) Town Planning and Architectural. (c) Town Planning and Architectural. (c) Town Planning Assistants, in the City Begineer and Burveyor's Department, in accord-ance with Grade A.P.T., VI, of the National Scale of Salaries, i.e., 2555-2560 per annum. Candidates for (a) should be Associates of the K.LB.A. and hold a University Degree or Diploma in architecture, or the Final Extamina-tion of a recognized School of Architecture, with experience in Town Planning and Civic Design; (d) should be Associate Members of the Town Planning Institute or hold a recognized diploma in Town Planning. These appointments are subject to the pro-visions of the Local Government Superannation Act, 1937, and the successful candidates will be required to pass a medical examination. Town Planning will disqualify and any applicant who is related to a member of, or a senior officer of, the Council must disclose the fact in his applications, stating age, present and previous

Canter the Council must disclose the fact in of, the Council must disclose the fact in Applications, stating age, present and previous appointments, with dates, qualifications and ex-perience, accompanied by copies of three recent testimonials, should reach the undersigned not later than Wednesday, 9th November, 1949. W. H. LEATHEM W. H. LEATHEM Town Clerk. 2418

BRECONSHIRE COUNTY COUNCIL, COUNTY ARCHITECT'S DEPARTMENT, Applications are invited for the following per-manent appointments (Male or Female) in the County Archited's Department. (e) ONE ASSISTANT ARCHITECT. Grade V

C. M. S. WEILS. Clerk of the County Council. County Hall, Brecon. 2439 BRITISH ELECTRICITY AUTHORITY. SOUTH WALES DIVISION. Applications are invited for the appointment of WORKS INSPECTOR (temporary) in the Con-struction Department of Divisional Headquarters, at a salary of 2450 per annum. Applicants should have been engaged on large Civil Engineering Works, involving pile driving, bulk excavation, heavy foundation, and super-structure work. A knowledge of sinking of caiseons and compressed air work would be con-eidered an advantage. Torms of applications may be obtained from the Divisional Secretary at the address below, to within 10 days from the appearance of this adver-tisement in sealed envelopes endorsed "Works Inspector." H. V. PUGH,

H. V. PUGH, Divisional Controller. Cardiff (Pengam Moors) Airport, Cardiff. 19th October 197

BOROUGH OF DROITWICH. APPOINTMENT OF ARCHITECTURAL ASSISTANT. Applications are invited for the above appoint-tent in the Surveyor's Department of the ment in Council.

The salary will be in accordance with Grade II of the A.P. and T. Division of the National Scale of Salaries (£420.£465 per annum). Preference will be given to applicants who have passed the Intermediate Examination of the Royal Institute of British Architects or other recognized professional Institution. The appointment will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. and whe passing of a satisfactory medical examination.

examination. Applications, stating age, training, qualifica-tions and experience, together with copies of two recent testimonials, are to be delivered to the undersigned not later than mid-day on Friday, 4th November, 1949.

S. G. FOSTER, Clerk

Town Hall, Droitwich. October, 1949.

allowance of up to £30 per annum, according to age. Applicants should be of good general training and give full details in their applications. It is desirable that applications should be accom-panied by a small sample of the applicant's work. The appointments will be abject to the pro-visions of the Local Government Act, 1937, and the successful applicants will be required to pass a medical examination. Applications, stating age, qualifications and ex-perience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall. Kingston-upon-Thames, not later than the 6th November, 1949. Canvassing, either directly or indirectly, will disqualify a candidate from consideration. DUDLEY AUKLAND, Clerk of the Council. County Hall, Kingston-upon-Thames. 2434

CITY AND COUNTY OF THE CITY OF EXETER. Applications are invited for the following appointments on the staff of the City Architect's

final al accounts. (b) QUANTITY SURVEYORS' ASSISTANTS.

(b) QUANTITI SURVEIORS ASSISTANTS. Vacancies on the permanent and temporary staff. Salaries within A.P.T., Grades I, II, III or IV (i.e., £390 to £525 per annum), according to experience.

Applicants must be experienced in abstracting, working up Bills of Quantities, and site measurement

ment. All the above appointments will be subject to one month's notice on either side. Permanent appointments will be subject to the provisions of the Local Government Superannua-tion Act, 1937, and successful applicants for these appointments will be required to pass a medical examination.

tion Act, 1997, and appointments will be required to pass a memora examination. Canvassing with disqualify, and candidates must disclose whether, to their knowledge, they are related to any member of the Council or to the holder of any senior office under the Council. Applications, stating age, qualifications, pre-vious and present appointments and salaries, ful details of experience, and the earliest possible date when available, together with copies of recent testimonials, should be sent to H. B. Rowe, F. B. I.B. A., A. M. I. Struct. E., City Architect, 2, Southernhay West, Exter, not later than the 7th November, 1949. Applicants for posts ander (b) above should also state salary required. C. J. NEWMAN, *Town Clerk.* 

2440

October, 1949.

Shire Hall. Warwick.

Exeter

October, 1949. 2440 WARWICKSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the appointment of CLERKS OF WORKS to supervise the erec-tion of a number of Secondary and Primary Schools. The appointments will be for the dura-tion of the construction of the various Schools and the salary will be £10 a week. Applications of the building-trade and be capable of setting out, measuring up, keeping records and making reports. Application forms can be obtained from C. H. Elkins, F.B.I.B.A., A.B.I.C.S., County Architect, Shire Hall, Warwick, to whom they are return-able within fourteen days of the appearance of this advertisement. L. EDGAR STEPHENS.

L. EDGAR STEPHENS, Clerk of the Council.

2507

NATIONAL COAL BOARD-SCOTTISH DIVISION. A vacancy exists at Headquarters in Edinburgh for an Engineer (Building), Grade II. Candi-dates must have considerable experience in the preferably a knowledge of the Plenum System. They must hold a Professional qualification and have a good practical knowledge of the Plenum System. They must hold a Professional qualification and have a good practical knowledge of the super-vision and maintenance of works. Salary scale 4450×25-2700. The point of entry into the salary scale will depend on the qualifications and experience of the successful applicant, who will be required to pass a medical examination. Suit-able applicants should forward their applications, priving details of age, qualifications, experience, present post and salary, to Establishments Officer, 1. Eglinton Crescent, Edinburgh, within 14 days. 2407

A Eginteen Crescent, Edinburgen, within 14 days. 2867 GOVERNMENT OF NORTHERN IRELAND. MINISTRY OF FINANCE. CHEF ARCHITECT'S BRANCH. Applications are invited for posts of ASSIS. TANT ARCHITECT'S BRANCH. Applications are invited for posts of ASSIS. TANT ARCHITECT'S BRANCH. Applications are invited for posts of ASSIS. Tanta and the eligible for consideration for appointed will be regulated by the second and execution of Factories. Housing and Public Buildings. Maccessful candidates will be remunerated according to qualifications and experience, within the salary range £500-£750 per annum. Qualifications: Candidates must be Associates of the Royal Institute of British Architects or posses equivalent qualifications, and must have had good general experience in an Architects or for he 1914-18 or 1939-45 war, provided that such candidates can or within a reasonable time will be able to fill the posts efficiently. Applications, quoting reference S.B.143/49, and giving the date of birth and full details of train gand qualifications. Status for the such as the such

and quainfeations, should be sent immediately to the Director of Establishments, Ministry of Finance, Stormont, Belfast.
 2356
 NATIONAL COAL BOARD-EAST MIDLANDS DIVIBION.
 Applications are invited for the following permanent and superannuated posts in the DIVISIONAL ARCHITECTS DEPARTMENT.
 (a) SENIOR ARCHITECTS DEPARTMENT.
 (b) ALL ARCHITECTS DEPARTMENT.
 (c) SENIOR ARCHITECT SUPPARTMENT.
 (c) SENIOR ARCHITECT. Salary £850 by £35
 (d) SENIOR ARCHITECT. Salary £850 by £35
 (e) ARCHITECTS, GRADE I. Salary £700 by £25
 (f) ARCHITECTS, GRADE I. Salary £400 by £25 to £75 per annum.
 Applicants should preferably be Members of the R.C.S. and be experience in the preparation of Sikte for all trades, and for engineering work, detailed approximate estimates.
 (f) ARCHITECTS, GRADE II. Salary £460 by £25 to £700 per annum.
 Applicants should be Members of the R.I.B.A. and have had considerable experience in the preparation of Sikteh Plans, Working Drawings and Specifications.
 (f) ARCHITECTS, GRADE II. Salary £460 by £25 to £700 per annum.
 Applicants should be Members of the R.I.B.A. and have had considerable experience in the preparation of Sikteh Plans, Working Drawings and Specifications.
 (f) ARCHITECTURAL ASSISTANTS, GRADE II. Salary £460 by £25 to £700 p

The same by ease office experience, with constant bile experience of Sketch Plans and Working Drawings.
 (a) ARCHITECTURAL ASSISTANTS, GRADE I. Salary £300 by £20 to £440 per annum.
 Applicants should have passed, or be working the preparation of Sketch Plans.
 (b) ARCHITECTURAL ASSISTANTS, GRADE I. Salary £300 by £20 to £440 per annum to the preparation of Sketch Plans.
 (c) ARCHITECTURAL ASSISTANTS, GRADE I. Salary £300 by £20 to £440 per annum to the preparation of Sketch Plans.
 (c) ARCHITECTURAL ASSISTANTS, GRADE I. Salary £300 by £20 to £440 per annum to the salary for the preparation of Sketch Plans.
 (c) ARCHITECTURAL OFFICER. Salary £300 by £15 to £410 per annum.
 (c) ARCHITECTURAL OFFICER. Salary £300 by £15 to £410 per annum.
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R. G. BERRY, Town Clerk

Town Clerk. Town Hall, Battersea, S.W.1. MIDDLESEX COUNTY COUNCIL COUNTY PLANNING DEPARTMENT. SIX PLANNING ASSISTANTS (A.P.T., IV), 400, rising to £525, plus £20-230 London weight-ing (according to age). Candidates should have wen planning experience and should have passed the Intermediate Examinations or qualifications will be considered. Established, pensionable posts, while to medical examinations or qualifications will be considered. Established, pensionable posts, while to medical examination and prescribed conditions of service. Applications, giving full stalls, with three recent testimonials, to the undersigned by 25th November, 1949 (quoting 613, A.J.). Cavassing disqualifies.

6.18, A.J.). Canvasency inequality C. W. RADCLIFFE. Clerk of the County Council. Middlesex Guildhall, S.W.1. 2474

CITY OF BIRMINGHAM EDUCATION COMMITTEE. COLLEGE OF ART AND CRAFTS. BIRMINGHAM SCHOOL OF ARCHITECTURE. Principal: MEREDITH W. HAWES, A.R.C.A., N.R.D.

Principal: MEREDITH W. HAWES, A.K.C.A., N.R.D. Director of School of Architecture: A: DOUGLAS JONES, Dip, Arch. (Liverpool), F.R.L.B.A. Applications are invited for the post of full-time SENIOR ASSISTANT LECTURER IN ACCHITECTURE. Commencing salary will be in accordance with Burnham Technical Scale (1946) for Senior Assistants (£700, plus £25-£300 per annum), for appropriate graduate or pro-lessional qualifications and training. A con-temporary outlook and an enthusiasm for leach-ing are of first importance. The successful applicant will be required to take up duty as soon as possible.

ing are of will be required to take up out, the sepileant will be required to take up out, the sepileant will be required to take up out, the sepileant of the

Chief Education Officer. 2013 SUNBURY-ON-THAMES URBAN DISTRICT COUNCL. ARCHITECTURAL ASSISTANT. The Council invite applications for the above-wentioned permanent appointment in the Sur-yor's Department, at a salary in accordance with Grade HI of the A.P. and T. Division of the National Scales, viz., £450×£15-£495 per mum, plus appropriate London "weighting." Tepparation of drawings, details and specifica-ble to demonstrate originality in design. Quali-tations are not a condition of appointment, but and the given to suitably qualified applicants. Housing accommodation, if required, will be address have go of the C.P. and the sub-stations are not a condition of appointment, but additates will be required to produce evidences a bill to given to suitably qualified applicants. Housing accommodation, if required, will be made available to the successful candidate. Applications should be forwarded to the successful candidate. Applications discusses of the Council at the stdress below, to resch him by first posts on the sub to the names of two referees must be went, but the names of two referees must be rement and surveyor of indirectly, will

Twon. Canvassing, either directly or indirectly, will gerate as a disqualification; and candidates must disclose in the application whether to their know-leage they are related to any member or senior officer of the Council. T. L. WATTS. *Clerk of the Council.* Council Offices, Sunbury-on-Thames. 22nd October, 1949. 2462

LONDON COUNTY COUNCIL. PLANNING STAFF. Vacancies in the following grades (some per-

a year. PLANNING OFFICER, Grade II, £700 to £840

a year. PLANNING OFFICER, Grade III, £550 to

2700 a year. TECHNICAL ASSISTANT (a), £440 to £580 a year. TECHNICAL ASSISTANT (b), 55s. to 167s. 6d.

year. TECHNICAL ASSISTANT (b), 55s. to 167s. 6d.
 week. Candidates for Grade III positions and above should possess architectural, surveying or town planning qualifications, and will be engaged on either (a) Research; (b) Development Plan, and Burvey; (c) Davelopment applications, or (d) Re-construction Areas and detailed planning. Full particulars and forms of application obtain-able from the Architect to the Council (AR/P/P), The County Hall, Westminster Bridge, S.E.I. (en-close stamped addressed foolscap envelope). Can-vassing disqualifies. (193)
 CITY OF BATH. CITY ENGINEER'S DEPARTMENT. ARCHITECTURAL SECTION. APPlications are invited for the appointment of TWO GENERAL ARCHITECTURAL ASSIS-TANTS, on the permanent staff of the City Engineer. Salary A.P.T., III or IV (2450-2495 or fa00-252), according to qualifications and experi-once.

2480-2525), according to qualifications and experi-ence. Preference will be given to candidates who are Associate Members of the Royal Institute of British Architects or hold equivalent qualifica-tions, and who have had experience in the design and supervision of housing estates or domestic buildings. Appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. Applications, stating age, qualifications and ex-perience, together with names and addresses of three referees, should be sent to the City Engineer, Guildhall, Bath, not later than Saturday, 12th November, 1949. JARED E. DIXON.

JARED E. DIXON, Town Clerk

COUNTY BOROUGH OF DERBY. BOROUGH ARCHITECT'S DEPARTMENT. Applications are invited for the following appointments on the permanent staff, in accord-ance with the National Scale of Salaries :-(a) THREE SENIOR ASSISTANT ARCHI-TECTS, Grade VIII. Salary £685-£760. Applicants must be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

a good knowledge of work undertaken by a Locat Authority, preferably with experience in School work.
(b) THREE JUNIOR ARCHITECTS, Grade I/II. Salary 2390-2465.
Applicants should have passed the Preliminary Examination of the R.I.B.A. and have had ex-perience in general Architectural work.
(c) ONE ASSISTANT ARCHITECT (Grade III, IV and V). Salary 2450-570.
Applicants should be of R.I.B.A. Intermediate Examination standard, and have had good Archi-tectural experience.
The appointments will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1957, and the successful application may be obtained from Thes. W. East, F.R.I.B.A., Borough Architect. The Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 14th November, 1949.

Canvassing, directly or indirectly, will be a disqualification. E. H. NICHOLS. Town Clerk.

2493 COUNCIL OF THE COUNTY OF ABERDEN. COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for appointment as ASSISTANT ARCHITECT. Salary scale 2400. rising by annual increments to 2610 per annum. Placing within the scale may be granted accord-ing to the successful candidate's qualifications and experience. Candidates must be Registered Architects and should be Associates of the Royal Institute of British Architects. The appointment is subject to the Local Government Superannuation (Scotland) Act. 1937. and the successful candidate will require to pass a medical examination. Conditions of appointment and Forms of Appli-cation are obtainable from the undersigned, and should be returned completed not later than 4th November. 1949. Canvassing of members of the Council, directly or indirectly, in connection with the appoint-ment shall disqualify the candidate. CHAS. HORNAL,

CHAS. HORNAL, County Buildings, 22, Union Terrace, 19th October, 1949.

ESSEX COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. The Essex County Council invite applications for the appointment, on the established staff of the County Planning Department, of ABEA PLANNING OFFICER in the North-West Essex Area Office at Braintree, at a salary not exceed-ing the maximum for Grade X, A.P.T.D. (£1,000

ATRAMING OFFICER in the North-West Essex Area Office at Braintree, at a salary not exceed-ing the maximum for Grade X, A.P.T.D. (£1,000 a year).
 The salary will be fixed in accordance with the qualifications and experience of the appli-cant appointed, but will not exceed the maxi-mum salary for the poet as stated above.
 Candidates must be Corporate Members of the Town Planning Institute and preferably should possess an additional recomised professional qualification. They should have an up-to-date knowledge of town and country planning practice and be experienced in the administration of an office and the handling of staff. They should also have had considerable experience with a local planning authority.
 The appointment will be subject to the pro-visions of the Local Government Superannastion Act, 1937, and the successful candidate will be required to pass a medical examination to the satisfaction of the Council.
 The Abcheme of Conditions of Service of the Administrative. Professional, Technical and Certical Services, as from time to time amended and as adopted by the County Council, is at present applicable to persons appointed on the established staff.
 Canvassing, directly or indirectly, will dis-quality.
 Mosting of the should for the County Council, is at possible.
 DMN E. LIGHTBURN.
 Cherk of the Council Council.

JOHN E. LIGHTBURN, Clerk of the County Council.

County Hall, Chelmsford. 20th October, 1949.

2505

20th October, 1949. 2505 HUNTINGTON BOROUGH COUNCIL. APPOINTMENT OF CLERK OF WORKS— Applications are invited for the appointment of a temporary full-time Clerk of Works, for the American Lane Housing Scheme. Salary to be offered is dependent on the qualifications and experience of the selected candidate, who will be required to commence his duties on or about lat January, 1950, for a period of two years certain. Applicants must have a thorough know-ledge of the building trade. Applications, and ex-perience, together with copies of two recent testimonials, should be addressed to the Town Clerk, Ambury House, Huntingdon, so as to reach him not later than 9th November, 1949. 2495

COUNTY BOROUGH OF CROYDON. BOROUGH ENGINEER'S DEPARTMENT. ARCHITECTURAL ASSISTANT. Applications are invited for this appointment from suitably qualified candidates who have had architectural experience (particularly housing), with a local authority. Salary Grade A.P.T., II, £420, plus £15-£465 per annum (plus London weighting). The appointment is pensionable, subject to medical examination. The Council do not offer housing accommoda-tion.

The Council to how out any be obtained from the Forms of application may be obtained from the Borough Engineer, Town Hall, Croydon, and should be returned to him not later than 14 days after the publication of this advertisement. Canvassing will disqualify. E. TABERNER.

E. TABERNER. Town Clerk.

C. V. THORNLEY. Town Clerk.

2499

Town Clerk 2000 COUNTY BOROUGH OF BURNIEY BOROUGH ENGINEER AND SUBJECTOR'S DEPARTMEN Maintenness and invited for the appointment of accordance with Grade VII of the National Counter of the Analysis of Statutory Planning, Interf Borogenetic Control, and Planning procedure in soft the Analysis of Statutory Planning, Interf Borogenetic Control, and Planning procedure in soft the Analysis of Statutory Planning, Interf Borogenetic Control, and Planning procedure in soft the Analysis of Statutory Planning, Interf Borogenetic Control, and Planning procedure in soft the Analysis of Statutory Planning, Interf Borogenetic Control, and Planning procedure in a gualified Civil Engineers or Architects. Conditions of service are those formulated by the National Joint Council, and the appointment is the established staff, and subject to the provisional Joint Council, and the appointment is the established staff, and subject to the provisional Joint Council, and the appointment is the established staff, and subject to the provision of the Local Government Subject to the provision of the Local Government Subject to the spontament is enciliated and y relations, manual member or senior officer of the Council, and the appointment is enciliated the analy relations, manual member or senior officer of the Council, and the application member or senior officer of the Council, and the envelope provided modulate the senior should be returned burgenet, the Borogenet, and the application and the envelope provided modulate the senior some state envelope provided modu

Town Hall, Burnley. October, 1949.

BOROUGH OF EDMONTON. ARCHITECT'S DEPARTMENT. The Borough Council require :--ARCHITECTURAL ASSISTANT (Grade A.P.T./ YI, 2595×£20 (2) and £25 (1) to £660 per annum), plus London weighting. Candidates should be Associates of the R.I.B.A. or equivalent, and have had experience in Housing. Flats, and General Building work. Full particulars, forms of application and con-ditions of service from the undersigned, to whom completed applications must be returned not later than 11th November, 1949. Ha BACKHOUSE Marchever, 1949. Ha BACKHOUSE Town Clerk.

H. BACKHOUSE. Town Hall, Edmonton, N.9. <u>21st October, 1949.</u> 2492 CITY OF BIRMINGHAM EDUCATION COMMITTEE. APPOINTMENT OF STAFF TO ARCHITECT'S BRANCH. Applications are invited for the following appointments in the Architect's Branch of the Birmingham Education Department (Architect to the Committee : Mr. Alex. Steele, A. R. I.B.A.). (a) FOUR DISTRICT ARCHITECTS. Salary A.P.T., IX (2750×250-2900). Each District Architect will be responsible for various matters affecting the provision of new buildings in each of four sectors of the City. together with work in connection with exten-sions, adaptations, improvements and repairs to existing buildings. Applicants should be registered Architects. having good experience in the control of major contracts. (b) OLUNTITY SURVEYOR.

ntracts. (b) QUANTITY SURVEYOR. Salary A.P.T., VII (£635×£15—£710). Applicants should have had good general ex-erience and will be required to prepare bills I quantities for minor contracts in addition to e checking of accounts and the general super-ision of staff dealing with applications for potrolled materials. the

Addition to find the general supervision of staff dealing with applications for controlled materials.
 (c) ARCHITECTURAL ASSISTANT.
 Salary A.P.T., IV (£400×£15-£525).
 Applicants should have good general experience in the preparation of working drawings for major contracts and should show evidence of intention to qualify for registration.
 Application forms, which may be obtained from the undersigned on receipt of a stamped addressed envelope, must be returned not later than three weeks after the appearance of this advertisement.
 E. L. RUSSELL, Chief Education Officer.
 Education Office, Margaret Street, 201
 COUNTY BOROUGH OF EAST HAM.

BIRMINGHAM, 3. 2491 COUNTY BOROUGH OF EAST HAM. BOROUGH ENGINEER'S DEPARTMENT. Applications are invited for the undermentioned appointments :-ENGINEERING ASSISTANT (Grade A.P.T., V) Selery A890 to 2000 to 20000 to 2000 to 2000 to

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ENGINEERING ASSISTANT (Grade A.P.T., IV). Salary £480 to £525 per annum. ARCHITECTURAL ASSISTANT (Grade A.P.T., I). Salary £390 to £435 per annum. QUANTITY SURVEYOR (Grade A.P.T., IV). Salary £480 to £525 per annum. TEMPORARY ARCHITECTURAL ASSIST TANT (Grade A.P.T., III). Salary £450.£495 per annum. The appropriate London weighting is paid in addition to the above salaries, and salaries in excess of the minima of the grades may be paid according to the qualifications and experience of successful candidates. The Council will be prepared to consider appli-cations for a subsistence allowance in appro-priate cases from persons appointed should they be unable to obtain suitable housing accommoda-tion.

be unable to obtain bulance in the duties, terms and con-tion. Full particulars of the duties, terms and con-ditions of appointment and form of application (which must be returned by Monday, the 7th November, 1949) may be obtained from the under-signed. Canvassing in any form will disqualify. H. A. EDWARDS, H. A. EDWARDS, 2500

Town Hall, East Ham, E.6. COUNTY BOROUGH OF SOUTHAMPTON. BOROUGH ARCHITECT'S DEPARTMENT. Applications are invited for the following

Applications are invited for the following appointments:-(a) 9ENIOR ASSISTANT ARCHITECTS, Grade VI (2595-2660 p.a.). (b) JUNIOR QUANTITY SURVEYING ASSIS-TANT. General Division (2135-2385 p.a.). Applications, on forms obtainable from I. Berger, Dip.Arch. A.R.I.B.A., Borough Archi-tect, Civic Centre, Southampton, should be returned not later than 9th November, 1949. 2508

CITY OF OXFORD EDUCATION COMMITTEE. SCHOOLS OF TECHNOLOGY, ART & COMMERCE. SCHOOL OF ARCHITECTURE & BUILDING. Applications are invited for the post of FULLTIME INSTRUCTOR AND LECTURER in Building Construction and Allied Subjects. Applications must be suitably qualified in Archi-tectare, Building of Civil Engineering. Salary will be paid in accordance with the Burnham (Technical) Award. Forms of applications and further particulars dressed envelope from the Chief Education optimistic forms must be returned as soon as possible and in any case not later than 14 days from the appearance of this advertisemen. 200 2506

METROPOLITAN BOROUGH OF HAMPSTEAD.

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October, 1949. Town Hall, Haverstock Hill, N.W.3.

- Town Hall, Haverstock Hill, N.W.3. 2496 HERTFORDSHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. Apolications are invited for the following appointments on the County Planning Staff :-(a) PLANNING ASSISTANT (Development

(a) PLANNING ASSISTANT (Development Control Section). (b) PLANNING ASSISTANT (Survey and De-velopment Plan Section). Both appointments are on Grade VI (salary £596, rising to £660 per annum) upon the per-manent staff and subject to the provisions of the Local Government Act. 1937. Applicants must be Associate Members of the Town Planning Institute, and the following other qualifications and experience will be an ad-vanlage.

Toria Tanima Hartaka and the holowing onlight and the separation of the separation of the separation of the separation of a county Survey and Guillional qualification in Surveying or Municipal Engineering.
 Tor appointment (b) experience in the preparation of a County Survey and Development Plansing Survey and Development Plansing Surveying or Landscape Design.
 For appointment (b) experience in the preparation of a polication from the County Planning Officer, County Hall, Hertford.
 BOROUGH OF STRATFORD-UPONAVON.
 BOROUGH FOR STRATFORD-UPONAVON.
 BOROUGH ENGINEER'S DEPARTMENT.
 Applications are invited for the appointment of ASSISTANT ARCHITECT. A.P.T. Division, Grade III (2450-2495).
 Conditions of the application from the undersigned. to whom completed application forms should be returned not later than 14th November, 1949.
 P. C. SMART, A.M.I.C.E., Borough Engineer.
 Municipal Offices, Stratford-upon-Avon.
 2441

### Tenders

Tenders PEMBROKESHIRE COUNTY COUNCIL PUNCHESTON (NEW) COUNTY PRIMARY SCHOOL School Calase) are requested to submit their application to the ERECTION of the above SCHOOL (3 Class) are requested to submit their application to Waiter Barreit, M.B.E. A.B.L.B.A., County Architect, County Offices, Haverfordwest, Pem-brokeshire, by the 25th October, 1949. General Conditions of Contract and Bills of Guantities will be supplied on receipt of 25 Sc. deposit, returnable upon receipt of 25 Sc. deposit, returnable upon receipt of 25 Sc. Architect during the assal working hours. The endorsed envelope provided for the purpose, and the endorsed envelope provided for the purpose, and the council does not bind itself to accept the Meder will be required and the functiones. To the endorsed envelope provided for the purpose, and the council does not bind itself to accept the court of carry out the works. Tast day for the receipt of Tenders is 12th Media the receipt of Tenders is 12th Media the to the function of the surpose. To the endorsed the surplice of Tenders is 12th Media the surp of the works. Tast day for the count of the organized for the purpose. The the surplice of Tenders is 12th Media the surp of the works. Tast day for the the function of the surpose. To the function of the function of the surpose. The function of the function of the surpose. Media the surpose of the surplice of the surpose. Media the surpose of the surpose. The function of the function of the surpose. Media the surpose of the surpose. Media the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose of the surpose. Media the surpose of the surpose of the surpose of the surpose of the surpose. Media the

**Competitions** 6 lines or under, 10s.; each additional line, 1s. 6d. NORFOLK EDUCATION COMMITTEE. The Norfolk Education Committee invite Archig tects, resident in Great Britain to submit designs in Competition for a County Modern (Secondary) School at Hunstanton, to accommodate 450 (mixed) vanile

School at Hunstanton, to account of pupils. The assessor nominated by the President of the Royal Institute of British Architects is Mr. Denis Clarke Hall, F.R.I.B.A., 6, Masons Yard. Duke Street, St. James, London, S.W.I. The last day for submitting designs is 28th February, 1950. The premiums will be £500, Const. 6110.

Pebruary, 1950. The premiums will be 2000, 2250, £150. Conditions of the competition may be obtained.

on the payment of a deposit of £2, from the undersigned. The deposit is returnable under the conditions governing architectural competitions, as issued by the Royal Institute of British Architects.

Arcaiteets. W. O. BELL, Chief Education Officer, Norfolk Education Committee, Stracey Road, Norwich. 2599

Architectural Appointments Vacant

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Worthington & Sons, 178, Oxford Road, Machester, 13. 229 TXPERTENCED young ASSOCIATE required in London office; keen on a career in private practice, and capable of executing work from initial instructions to final account; complete for particulars apply Box 270. SINIOR ASSISTANT required; able to take work; applicants are requested to give par-ticulars apply Box 270. Schwille Street, W.1. ACCOUNT AND ACCOUNT AND A COUNT ACCOUNT AND A COUNT AND A COUNT ACCOUNT AND A COUNT AND A COUNT ACCOUNT AND A COUNT ACCOUNT A COUNT AND A COUNT ACCOUNT ACCOUNT AND A COUNT ACCOUNT AND A ACCOUNT ACCOUNT AND A COUNT ACCOUNT AND A COUNT ACCOUNT ACCOUNT AND A ACCOUNT ACCOUNT ACCOUNT AND A ACCOUNT ACCOUNT ACCOUNT AND A ACCOUNT ACC

London, E.C.2. 2299 JUNIOR ASSISTANT required for General Practice, on the South Coast; salary up to £350 per annum, according to age and experi-ence. Apply, giving full particulars, to B. Stevens & Partners, 31, Cornfield Road, East Desrea 200 to Eastbourne

bourne. 2200 A RCHITECTS' ASSISTANTS required in the A rchitects' Dept., F. W. Woolworth & Co., Ltd., head office, 1/5. New Bond Street, London, W.I., Applicants should write in giving full details of training, qualifications, experience, and salary required, to H. Winbourne, F.B.I.B.A., Architect. 2000

RCHITEOTURAL ASSISTANT, of Inter-additional and an analysis of the standard, required for country practice, engaged on private housing and agri-cultural work. Apply, giving particulars of ex-perience, qualifications and salary required, to Cecil Ogden & Son, Chartered Architects, Sur-veyors, Ulesthorpe, near Rugby. 242 ARCHITEOTURAL ASSISTANT wanted for Midland's office; accurate draughteman with experience in Industrial buildings; good prospects. Reply, with full particulars, salary re-quired, to Midland Red Staff Department. Bearwood, Birmingham. 2427 OMPLETENT ASSISTANT, experienced in Ulicensed premises, required for country office; flat can be provided at end of year. Reply, with full details of experience and salary required, to box 2223.

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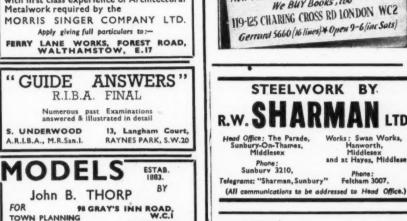
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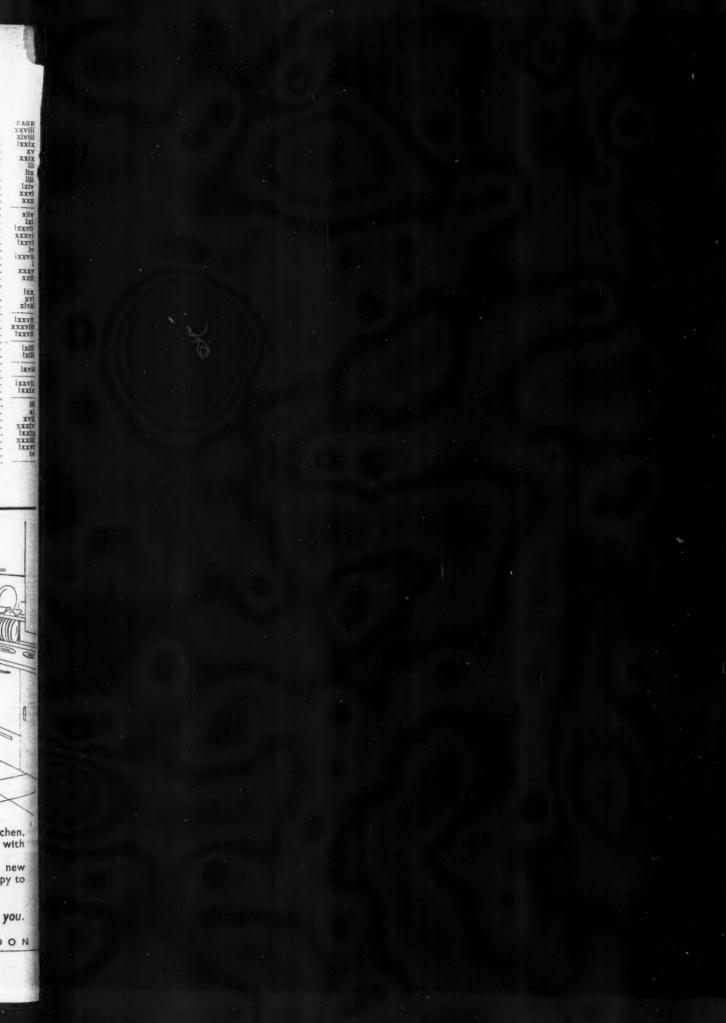
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